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# ADDRESSES AND ORIGINAL ARTICLES

## SYNTHETIC VITAMIN K IN TREATMENT OF HYPOPROTHROMBINÆMIA

By ROBERT KARK, M.R.C.P.

ROCKEFELLER TRAVELLING FELLOW, MEDICAL RESEARCH COUNCIL, ENGLAND; RESEARCH FELLOW IN MEDICINE, HARVARD MEDICAL SCHOOL; AND

ALEXANDER W. SOUTER, M.B. Aberd.

GEORGE THOMPSON FELLOW, UNIVERSITY OF ABERDEEN; RESEARCH FELLOW IN MEDICINE, HARVARD MEDICAL SCHOOL

DURING the past two years therapeutically active vitamin K has been obtained from biological materials, particularly alfalfa and fish-meal (Snell 1939). Extracts of these, administered either by mouth or intramuscularly, have proved effective in restoring prothrombin levels in the blood of patients with hypoprothrombinæmia. The response to intramuscular administration, however, has been unsatisfactory (Butt, Snell, and Osterberg 1939a), because the restoration of the prothrombin level is slow, and bleeding, when present, is not rapidly controlled. Since many patients with hypoprothrombinæmia bleed actively from the upper gastro-intestinal tract, and since the conditions leading to hypoprothrombinæmia are often associated with severe vomiting, the introduction of a potent and rapidly acting vitamin K analogue, which can be given parenterally, is of practical importance.

In September, 1939, a brief four years after the discovery of vitamin K by Dam (1935), Doisy and his associates (Binkley et al. 1939) demonstrated conclusively that the structure of vitamin $K_1$, the active principle in alfalfa, is represented by the formula 2-methyl, 3-phytyl-1, 4-naphthoquinone. This work confirmed the tentative suggestions published simultaneously by four independent groups of investigators (Almquist and Klose 1939a, Ansbacher and Fernholz 1939, Fiesser et al. 1939, MacCorquodale et al. 1939). Many compounds of the 1, 4-naphthoquinone series exhibit vitamin-K activity both in chicks (Almquist and Klose 1939a, Ansbacher and Fernholz 1939, Fieser et al. 1939, MacCorquodale et al. 1939) and in man (Butt, Snell, and Osterberg 1939b, Frank, Hurwitz, and Seligman 1939, Macfie, Bacharach, and Chance 1939). Of these, 2-methyl-1, 4-naphthoquinone is at present the most active compound known (Almquist and Klose 1939b); and, since its activity is approximately equal to that of natural vitamin K and it is relatively stable and easily manufactured, it has been proposed as a standard of reference for the assay of vitamin-K activity (Thayer et al. 1939). As with the other chemicals in this series, however, the solubility of this compound in water and aqueous solutions is minimal, and it is not readily applicable for intravenous use.

During the past three months we have had the opportunity of studying the vitamin-K activity of a water-soluble derivative of 2-methyl-1, 4-naphthoquinone, administered intravenously or intramuscularly to patients with hypoprothrombinæmia. This compound has been synthesised by Moore and Kirchmeyer (1940), who report that the material is prepared by treating 2-methyl-1, 4-naphthoquinone with sodium bisulphite in one to one or one to two molecular proportions. On a theoretical basis they assume that it is the sodium salt of 3-sulphonic acid of 2-methyl-1, 4-naphthoquinone or the 3-sulphonic acid of 2-methyl-1, 4-naphthohydroquinone. It is more stable than 2-methyl-1, 4-naphthoquinone and readily soluble in water. Each cubic centimetre of an isotonic solution containing this material, as used in our investigation, was the equivalent of 1 mg. of 2-methyl-1, 4-naphthoquinone by chick assay.[1] Our observations on the use of this compound have been made on 18 patients with a variety of conditions in which hypoprothrombinæmia was a feature. Estimations of the prothrombin content of the plasma were carried out according to the method of Quick et al. (1935), by which the time is determined in which the patient's plasma coagulates, after recalcification in the presence of an excess of thromboplastin, and a comparison is made with normal plasma treated in a similar manner.[2] Conversion of these times to blood-prothrombin percentages were made by reference to curves constructed according to the method of Kark and Lozner (1939). Blood-coagulation times were estimated according to the standard methods of Pohle and Taylor (1937), and bleeding-times by Duke's method.

### RESPONSE TO THERAPY

Of the 18 patients 9 responded with a rapid rise in blood-prothrombin concentration after the administration of Moore and Kirchmeyer's compound (see table). In most of these cases a relapse followed the discontinuance of therapy, and the blood-prothrombin concentrations were again restored to normal by further treatment. In 3 patients there was active bleeding before therapy, and this was controlled within a few hours in all of them.

### ILLUSTRATIVE CASE-RECORDS

CASE 1.—Ulcerative colitis, ileostomy, rectal and wound hæmorrhage (fig. 1). A white housewife, aged 32, was admitted with ulcerative colitis of two years' standing. Her illness had been severe, with diarrhœa and fever. Ileostomy was performed on Dec. 1, 1939. During the next five days she continued to have diarrhœa. On the fifth day after the operation she had four bowel movements consisting of blood and blood-clot, and oozing of blood from the abdominal incision began. She was given a transfusion of 1000 c.cm. of blood.

After the transfusion we saw her for the first time because of continued hæmorrhage. The blood-prothrombin concentration was then approximately 20 per cent. (Quick prothrombin time 52 sec. against normal control of 25 sec.) She was immediately given 1 c.cm. of water-soluble synthetic vitamin K intravenously (equivalent to 1 mg. of 2-methyl-1, 4-naphthoquinone), and after an hour her blood-prothrombin concentration was unchanged. When her wound was examined some three hours later, the oozing had stopped.

Twenty-four hours after synthetic vitamin K had been given the blood-prothrombin concentration was 65 per cent. (Quick prothrombin time 31 sec.). That day there was a bloody discharge from the rectum but no further frank hæmorrhage. The next day her blood-prothrombin concentration was 95 per cent. (Quick prothrombin time 26 sec.). She had by now developed a hectic fever with diarrhœa. The blood-prothrombin concentration decreased gradually, and by Dec. 12, seven days after the injection of synthetic vitamin K, it was 40 per cent. That day she was given a further injection of 1 c.cm. of water-soluble synthetic vitamin K. Forty-eight hours later her blood-prothrombin concentration was 90 per cent., and it again dropped to 50 per cent. within three days, although there was clinical improvement.

On the 18th, six days after the second injection, she was given an injection of 2 c.cm. of water-soluble synthetic vitamin K intravenously, and two hours later her blood-prothrombin concentration had risen at least 20 per cent. Forty-eight hours later it had reached 100 per cent. (Quick prothrombin time 25 sec.). She showed a steady

1. It is now prepared so that 1 c.cm. of the solution is equivalent to 2 mg. of 2-methyl-1, 4-naphthoquinone.
2. Control prothrombin times in this study varied from 19 to 25 sec. with different batches of thromboplastin. For the sake of uniformity all Quick prothrombin times have been calculated so that 25 sec. represents 100 per cent. prothrombin.

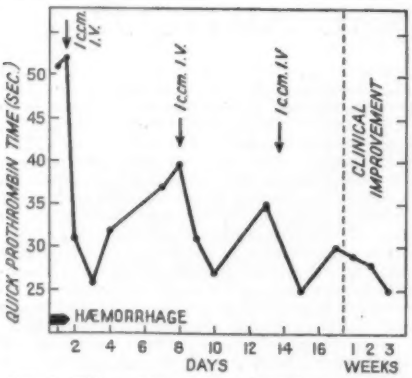


FIG. 1—Effect of intravenous injections of water-soluble synthetic vitamin K on the Quick prothrombin time of a patient (case 1) with ulcerative colitis. Ileostomy performed five days before the first injection.

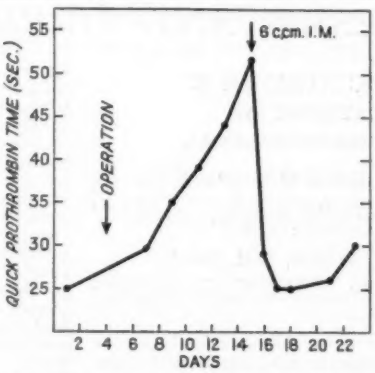


FIG. 2—Effect of intramuscular injection of water-soluble synthetic vitamin K on the Quick prothrombin time of a patient (case 2) with stricture of the common bile-duct and biliary fistula.

improvement clinically and, though her prothrombin concentration had fallen to 70 per cent. on the 21st, it had returned spontaneously to a normal level by Jan. 8, 1940.

CASE 2.—Stricture of the common bile-duct, wound, hæmorrhage (fig. 2). A white married housewife, aged 38, was readmitted on Dec. 25, 1939, with intermittent jaundice associated with pruritus and clay-coloured stools, following cholecystectomy in March, 1938. There was some tenderness over the operation scar. The icteric index was 20. Her bleeding-time was 2½ min. and clotting-time 5 min. Her blood-prothrombin concentration was 100 per cent. (Quick prothrombin time 25 sec.). On the 30th abdominal exploration revealed a long stricture of the common bile-duct, and a drainage-tube was inserted preparatory to a later plastic repair.

After this operation she drained bile freely but began to vomit six days later. During this time her blood-prothrombin concentration fell gradually, and by Jan. 10, eleven days after operation, it had fallen to 22 per cent. (Quick prothrombin time 52 sec.), and there was oozing of blood from the abdominal wound. Her bleeding-time was prolonged to 5 min. Her blood-coagulation time was 6 min. and her icteric index 10. She was given 6 c.cm. of water-soluble synthetic vitamin K intramuscularly, and within four hours oozing had stopped. Twenty-four hours later the bleeding-time was 2 min. 30 sec., the blood-coagulation time 5 min., and the blood-prothrombin concentration 75 per cent. (Quick prothrombin time 29 sec.). The blood-prothrombin concentration had reached 100 per cent. (Quick prothrombin time 25 sec.) twenty-four hours later. By this time her general condition had improved, although copious drainage of bile continued, and she maintained a high blood-prothrombin concentration thereafter until her discharge from hospital.

CASE 3.—Cholelithiasis, carcinoma of the ampulla of Vater, obstructive jaundice (fig. 3). A white female, aged 77, was admitted on Sept. 11, 1939, when an acute empyema of the gall-bladder was incised and drained. Drainage of bile through the wound continued, and her stools were clay-coloured throughout her stay in hospital. She was discharged on Oct. 9 with a biliary fistula and with obstruction of the common duct.

She was readmitted early in January, 1940. She had had persistent jaundice and drainage of bile through the abdominal wound. There were many bruises on both arms, especially at the sites of venepuncture and where her ear had been stabbed for bleeding-time estimations. The icteric index was 35, the blood-coagulation time 6 min., and the bleeding-time 3½ min. The blood-prothrombin concentration was 27 per cent. (Quick prothrombin time 50 sec.). She was given 2 c.cm. of water-soluble synthetic vitamin K intravenously that day, and within twenty-four hours her prothrombin concentration was 65 per cent. (Quick prothrombin time 31 sec.). At this time venepuncture and stab wounds of the ear left no bruises. The bleeding-time was 1½ min., and the coagulation time 4½ min. Forty-eight hours after the injection the blood-prothrombin concentration was 100 per cent. (Quick prothrombin time 25 sec.). The next day the prothrombin concentration had dropped to 65 per cent.

During the next week the prothrombin concentration fell gradually, and by Jan. 16, eleven days after the injection of synthetic vitamin K, it was 30 per cent. (Quick prothrombin time 49 sec.). A second intravenous injection of 6 c.cm. of water-soluble synthetic vitamin K raised the prothrombin concentration in six hours to 60 per cent. A normal concentration, however, was not obtained on this occasion, and a gradual fall was noted. On the 20th 2 c.cm. of water-soluble synthetic vitamin K given intramuscularly raised the blood-prothrombin concentration from 50 per cent. to 70 per cent. in twenty-four hours. After this she was given further intramuscular injections to maintain a blood-prothrombin concentration well above the critical level for bleeding as a preoperative prophylactic measure.

A laparotomy was performed on Feb. 1, and at operation the common duct was found to be much dilated. Its terminal portion was obliterated by a fungating carcinoma originating in the ampulla of Vater, and in the duct above the neoplasm was a large gall-stone. There was no bleeding during or after the operation, and her blood-prothrombin concentration remained high.

CASE 4.—Hæmorrhagic disease of the newborn. A full-term white male child, born of a healthy mother and delivered uneventfully on Jan. 25, 1940, had a severe epistaxis four days later. No other hæmorrhagic manifestations were observed. The blood-prothrombin concentration was approximately 10 per cent. (Quick prothrombin time 91 sec. against normal control 25 sec.). He was given 6 c.cm. of water-soluble synthetic vitamin K (equivalent to 6 mg. of 2-methyl-1, 4-naphthoquinone) intramuscularly, and the hæmorrhage ceased and did not recur. Twenty-four hours after injection the blood-prothrombin concentration was 100 per cent. (Quick prothrombin time 25 sec.). The mother's blood at this time showed a normal figure. She gave no history of dietary disturbance or deficiency disease before her delivery.

### FAILURE TO RESPOND TO THERAPY

We have studied 12 patients with clinical evidence of hepatic disease with hypoprothrombinæmia who did not respond even to intensive parenteral administration of either the water-soluble synthetic vitamin K or the natural vitamin K obtained from alfalfa, supplemented in some instances by large doses of 2-methyl-1, 4-naphthoquinone by mouth. Of these 12 patients 6 with severe parenchymatous liver disease, either acute yellow atrophy or disseminated carcinomatosis, were treated intensively with injections of vitamin K: 3 with the water-soluble synthetic compound, and 3 with natural vitamin K. These patients appeared critically ill and had a prothrombin level in the blood which approached the hæmorrhagic threshold. No response in their blood-prothrombin level was noticed at any time, and all died within three weeks of admission to hospital. The second group comprised 6 patients with chronic disease of the liver, including Banti's syndrome and alcoholic cirrhosis. These patients maintained a

blood-prothrombin level which, although consistently below normal, did not reach a critical level for bleeding. As in the first group, these patients showed no response to any known form of vitamin-K therapy, even in three instances in which the diet was supplemented by 300 g. of whole liver a day. None of the patients in this group have died; nor have any shown clinical improvement.

### ILLUSTRATIVE CASE-RECORDS

CASE 5.—Acute yellow atrophy of the liver (fig. 4). A retired liftman, aged 57, was admitted on Jan. 10, 1940, to the Evans Memorial Hospital with weakness and jaundice. In 1924 he had had a cholecystectomy in the Boston City Hospital. Six to seven weeks before admission he had had an acute upper respiratory infection followed by persistent malaise. He lost his appetite and had epigastric distress, and his urine was dark. His food tasted "brassy," and two days before admission he was jaundiced. He had had no chills or fever. There was no history of alcoholism or of taking drugs.

His temperature, pulse, and respiration were normal, he was deeply jaundiced, and his liver was enlarged to 4 cm. below the costal margin and was firm, smooth, and tender. His spleen was palpable at the costal margin. The urine contained albumin, bile, and an increased amount of urobilinogen, with a few red blood-cells and white blood-cells. The icteric index was over 100. The hæmoglobin was 84 per cent.; red blood-cells 4,280,000; white cells 5200, with 20 per cent. monocytes. The serum bilirubin was 22·9 mg. per 100 c.cm. The blood-prothrombin concentration was 29 per cent. (Quick prothrombin time 47 sec.).

The patient rapidly declined, with progressive drowsiness and vomiting despite therapy with glucose given intravenously. He was given 6 c.cm. of water-soluble synthetic vitamin K intravenously daily for four days and 6 mg. of 2-methyl-1,4-naphthoquinone by mouth as a supplement to parenteral therapy two days before death. His blood-prothrombin concentration dropped rapidly, and on the day before his death it was 5–10 per cent. (Quick prothrombin time 106 sec.). Autopsy confirmed the clinical diagnosis of acute yellow atrophy of the liver.

CASE 6.—Chronic alcoholism, cirrhosis of the liver, œsophageal varices (fig. 5). A housewife, aged 44, was admitted on Dec. 29, 1939, after vomiting two quarts of bright red blood. She gave a history of alcoholism for some years, during which she had partaken of a poor diet. She was anæmic; her liver, easily felt 6 cm. below the costal margin, was hard, irregular, and tender. Her spleen was firm and palpable at the costal margin. There were no dilated abdominal veins but hæmorrhoids were present. Hæmorrhage from œsophageal varices, associated with cirrhosis of the liver, was diagnosed.

She was given a blood-transfusion of 1000 c.cm. on admission, after which her blood-prothrombin concentration was 45 per cent. (Quick prothrombin time 38 sec.). Since blood-prothrombin level did not respond to a total of 8 c.cm. of water-soluble synthetic vitamin K given intravenously and to 12 mg. of 2-methyl-1,4-naphthoquinone given by mouth in divided doses over four days, she was given 300 g. of liver each day in addition to a high-carbohydrate diet. This was without effect, and ten days after the liver therapy was begun she was given in addition 10 mg. of 2-methyl-1,4-naphthoquinone by mouth each day. This treatment, together with the parenteral administration of 30 c.cm. of the water-soluble synthetic vitamin K in divided doses over six days was ineffective in restoring to normal the blood-prothrombin concentration, which fluctuated between 40 and 65 per cent. during her stay in hospital.

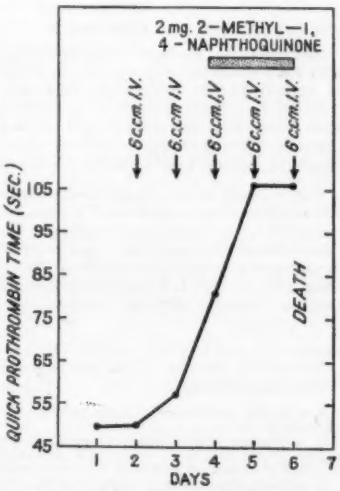


FIG. 4—Lack of response to intravenous injections of water-soluble synthetic vitamin K, supplemented by 2-methyl-1, 4-naphthoquinone given by mouth, in a patient (case 4) with acute yellow atrophy of the liver.

### APPARENT TEMPORARY FAILURE OF RESPONSE ASSOCIATED WITH CHOLANGITIS

One of our patients with obstructive jaundice and hypoprothrombinæmia, while under observation, had an acute recrudescence of symptoms, with chills, high fever, and increased jaundice, suggesting cholangitis. At this time she was given 3 c.cm. of water-soluble synthetic vitamin K intravenously, with no demonstrable effect on the blood-prothrombin concentration. After a spontaneous remission of her acute symptoms further intravenous injections of 2 c.cm. of water-soluble synthetic vitamin K on two consecutive days restored her prothrombin level to normal. Laparotomy was successfully performed without bleeding. In this patient an exacerbation of liver disease apparently led to a failure to respond to intravenous injection of water-soluble synthetic vitamin K in the dosage given. This failure was temporary and may have been only relative, in that more massive dosage might have produced a response. An operation carried out during this refractory period might have led to uncontrollable hæmorrhage.

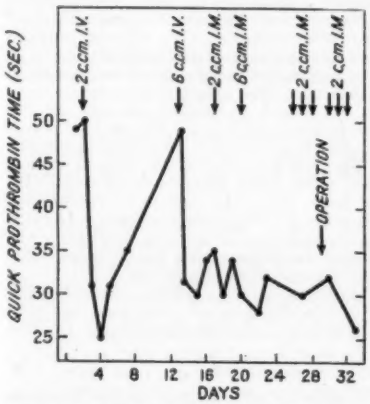


FIG. 3—Effect of intravenous and intramuscular injections of water-soluble synthetic vitamin K on the Quick prothrombin time of a patient (case 3) with cholelithiasis and obstructive jaundice.

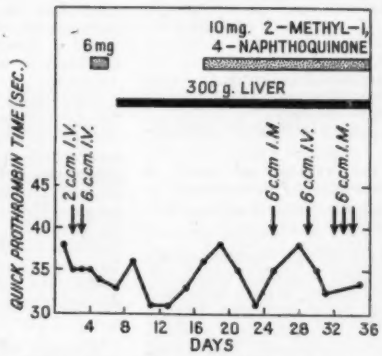


FIG. 5—Lack of response to injections of water-soluble synthetic vitamin K, supplemented by 2-methyl-1,4-naphthoquinone and whole liver given by mouth, in a patient (case 6) with cirrhosis of the liver.

## DISCUSSION

*Response to therapy.*—In patients in whom there was no evidence of a severe hepatic lesion injection of water-soluble synthetic vitamin K restored the level of blood-prothrombin concentration to normal. This response was rapid and raised the blood-prothrombin concentration above the critical level for bleeding (Quick 1938) within a few hours.

For example, in idiopathic steatorrhœa (see table) intravenous administration of 1 c.cm. of the water-soluble compound, equivalent in activity to 1 mg. of 2-methyl-1, 4-naphthoquinone, produced a rise of 20 per cent. in the blood-prothrombin concentration within five hours, and 1 mg. of 2-methyl-1, 4-naphthoquinone given by mouth on another occasion did not produce such an effect until twelve hours had elapsed. This rapidity of action is further demonstrated by the cessation of hæmorrhage in cases 1 and 2 only four hours after parenteral administration of the water-soluble compound.

EFFECT OF PARENTERAL ADMINISTRATION OF SYNTHETIC VITAMIN K ON THE QUICK PROTHROMBIN TIME IN HYPOPROTHROMBINÆMIA

A = Quick prothrombin time before therapy with synthetic vitamin K (sec.).
B = Dosage of synthetic vitamin K (c.cm.). Each c.cm. of water-soluble synthetic vitamin K is equivalent in vitamin-K activity to 1 mg. of 2-methyl-1, 4-naphthoquinone.
C = Time after start of therapy with synthetic vitamin K at which Quick prothrombin time was measured (hours).
D = Quick prothrombin time after therapy with synthetic vitamin K (sec.).

| Case no. | Sex and age | Condition | A | B | C | D |
|---|---|---|---|---|---|---|
| 1 | F. 32 | Ulcerative colitis, ileostomy | 54 | 1 i.v.* | 24<br>48 | 31<br>26 |
| | | | 39 | 1 i.v.† | 24<br>48 | 32<br>29 |
| | | | 35 | 1 i.v. | 24<br>48 | 30<br>25 |
| 2 | F. 38 | Stenosis of the common bile-duct, biliary fistula | 52 | 6 i.m. | 24<br>48 | 29<br>25 |
| 3 | F. 77 | Cholelithiasis, carcinoma of the ampulla of Vater, obstructive jaundice | 50 | 2 i.v.‡ | 24<br>48 | 31<br>25 |
| | | | 48 | 6 i.v. | 6<br>48 | 32<br>30 |
| 4 | M. 4 days | Hæmorrhagic disease of the newborn | 72 | 6 i.m. | 24 | 25 |
| 7 | F. 69 | Stenosis of the common bile-duct, obstructive jaundice | 47<br>32 | 1 i.v.§<br>2 i.v. | 48<br>72 | 25<br>26 |
| 8 | F. 37 | Cholecystitis, biliary fistula | 39 | 6 i.v. | 24<br>48 | 29<br>25 |
| 9 | F. 38 | Cholecystitis cholelithiasis, cholangitis | 38 | 2 i.v. | 24 | 26 |
| 10 | M. 62 | Idiopathic steatorrhœa | 62 | 1 i.v. | 5<br>19 | 42<br>29 |
| 11 | F. 39 | Cholelithiasis | 62 | 6 i.v. | 2<br>3<br>24 | 40<br>36<br>25 |

* Relapse in 5 days after injection.
† Relapse in 3 days after second injection.
‡ Relapse in 9 days after injection.
§ Relapse in 3 days after injection.
i.m. = intramuscular injection. i.v. = intravenous injection.

Intravenous administration of the water-soluble compound produced in most cases an initial rapid rise in blood-prothrombin concentration, which was succeeded by a more gradual increase. The blood-prothrombin concentration, however, did not become normal in most instances until forty-eight hours had elapsed. Further, the normal level was not maintained, and the prothrombin concentration began to fall within the succeeding twenty-four hours. This sequence of events was irrespective of dosage, which was 1–6 c.cm. of the water-soluble compound, equivalent to 1–6 mg. of 2-methyl-1,4-naphthoquinone. On the other hand, in case 2, where intramuscular administration of 6 c.cm. of the water-soluble compound was employed, the blood-prothrombin concentration became normal in forty-eight hours, and this level was maintained for several days. This suggests the possibility that, when the material is given intravenously, its concentration in the blood exceeds its renal threshold, and a large proportion of the compound may be rapidly excreted in the urine, a phenomenon common to other vitamins (Faulkner and Taylor 1938, Meiklejohn 1940). The retained portion is sufficient to raise the prothrombin level rapidly but insufficient to maintain a normal concentration for long. Intramuscular administration allows prolonged absorption of the material, which can maintain the blood prothrombin at a high level for several days. Because of this we feel that in patients with active hæmorrhage consequent on hypoprothrombinæmia the most satisfactory form of therapy is the combination of intravenous and intramuscular administration of the drug, so that the maximal advantage of each route of administration may be utilised in raising the prothrombin concentration of the blood rapidly and in maintaining it at a high level.

*Failure of response to therapy.*—Experimental investigations indicate that prothrombin is formed in the liver (Smith, Warner, and Brinkhaus 1937, Warren and Rhoads 1939), and it has been observed that patients with disease of the liver parenchyma associated with hypoprothrombinæmia have not responded to therapy with natural vitamin-K concentrates given either by mouth or intramuscularly (Quick 1938, Butt, Snell, and Osterberg 1939a). Warner, in a discussion on the paper of Butt et al., commented as follows: "... in patients with extensive hepatic damage a response to vitamin K therapy cannot be obtained because the injured liver is incapable of producing prothrombin." Our preliminary observations indicate that, whereas some patients with severe hepatic damage are apparently completely unable to produce prothrombin, a second group of patients with most severe or most chronic hepatic disease seem able to produce prothrombin constantly but in quantities insufficient to maintain a normal level in the blood. It is possible that the failure of response to the parenteral administration of vitamin K in these two groups of patients, as illustrated by cases 5 and 6, may be of some prognostic importance when considered along with the level at which the blood-prothrombin concentration is maintained.

*Prophylaxis.*—It is probable that in the future vitamin K or one of its analogues will be given as a routine before operation to patients suspected of having hypoprothrombinæmia. We wish to emphasise that the administration of therapeutic doses of vitamin K or its analogues before operation is not in itself a guarantee that the blood-prothrombin concentration will be raised to within normal limits. Indeed, in some patients with liver disease this is not accomplished. For this reason it is always necessary to determine the blood-prothrombin concentration before operation, even when vitamin K or one of its analogues has been given in amounts considered adequate. When the prothrombin level is low in spite of such treatment, blood-transfusion is then the only known therapeutic measure which can increase the prothrombin concentration of the blood.

No toxic effects were observed which were referable to parenteral administration of the water-soluble derivative of 2-methyl-1,4-naphthoquinone in the dosage given.

## SUMMARY

A group of 18 patients with hypoprothrombinæmia were treated parenterally with a water-soluble derivative of 2-methyl-1,4-naphthoquinone (synthetic vitamin K). In 9 of these the lowered blood-prothrombin concentration was rapidly restored to a normal level by the administration of 1–6 c.cm. of a

solution of the material, equivalent to 1–6 mg. of 2-methyl-1,4-naphthoquinone. In 3 patients with hæmorrhage resulting from the lowered blood-prothrombin levels the bleeding was satisfactorily controlled within a few hours of intravenous or intramuscular administration of the material.

On the other hand, 12 patients with hypoprothrombinæmia associated with parenchymatous hepatic disease did not respond to intensive parenteral administration of either water-soluble synthetic vitamin K or natural vitamin K obtained from alfalfa, supplemented in some instances by large doses of 2-methyl-1,4-naphthoquinone and whole liver by mouth. It is suggested that this failure of response may have prognostic importance when considered along with the level at which the blood-prothrombin concentration is maintained in these patients.

We wish to thank the staff of the medical and surgical services of the Boston City Hospital for their most willing coöperation; Dr. George R. Minot and Dr. William B. Castle for their criticism and advice; Dr. R. C. Cochrane for permission to publish case 2; Dr. Chester S. Keefer for permission to publish case 5; and Messrs. Abbott Laboratories for supplying the synthetic preparation of vitamin K.

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# STOMACH-ACHE

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A patient giving the history of some acute abdominal disorder often uses such expressions as "I thought at first it was due to something I had eaten" or "I thought it was just an ordinary stomach-ache." Pressed further about what is meant by an ordinary stomach-ache, as a rule he appears surprised that there should be any doubt about something which to him appears commonplace and definite. It is interesting that a phrase which has a fairly clear-cut meaning to the layman should mean so little to the doctor. The average medical man in such cases contents himself with excluding the well-known acute surgical conditions and beyond that often does not reach an exact diagnosis.

This "ordinary stomach-ache" has certain essential features: —

(1) There is fairly severe pain—so severe that, if one of these patients later develops an acute abdomen (in the surgical sense), the former attack is compared with the present pain.

(2) It is common, as is shown by the number of surgical patients who have experienced it and so attribute their present illness to a similar cause.

(3) It has a definite relation to food.

(4) It recovers spontaneously.

(5) The pain is felt right across the centre of the abdomen and is of the type that makes the patient "double up."

I suggest that the commonest cause of such pain is a colic of the small intestine, often due to the formation of a bolus, by which is meant the moulding together by peristalsis of semi-solid food into a compact mass, which may find difficulty in passing through the gut. A good example of this is seen in the figure, a bolus of segments of orange removed from the terminal ileum of an old edentulous woman (case 3) who had had intestinal obstruction for four days. My interest in this subject was first aroused by having to operate, within a year, on four cases of intestinal obstruction due to the impaction of food in the small intestine. Such cases are well known, and isolated instances are reported from time to time. Elliott (1932) reviewed the cases reported during the previous twenty-two years and gave the following statistics of the types of food which were most to blame.

| Obstructing material | No. of cases | Obstructing material | No. of cases |
|---|---|---|---|
| Mushrooms .. .. | 5 | Grapes .. .. .. | 2 |
| Cherry stones .. .. | 4 | Poppy seeds .. .. | 2 |
| Beans .. .. .. | 4 | "Ammunition bread" | 1 |
| Figs .. .. .. | 3 | Sauerkraut .. .. | 1 |
| Oats .. .. .. | 3 | Gooseberries .. .. | 1 |
| Potatoes .. .. | 2 | Raisins.. .. .. | 1 |
| Apples, pears, and peas | 2 | Half an orange .. | 1 |
| Corn .. .. .. | 2 | Popcorn .. .. | 1 |
| | | Bran .. .. .. | 1 |

In five of these cases, however, the impaction took place in the colon. The term "ammunition bread" was applied to the coarse bread consumed in Germany during the later part of the last war. During this period there were many cases of intestinal obstruction due to the husks of oats in Germany and Russia. My cases were due to coco-nut in two and to monkey-nuts and orange in the others. Interesting as these were as rare cases of intestinal obstruction, it was in the investigation of the previous and almost identical attacks which two of these patients had experienced that it became apparent that a mechanism was here at work which was common and easy to understand, of which, however, I had never previously realised the significance.

Having seen the gross changes produced by complete impaction of indigestible food, it was easy for me to understand how the excitation of excessive peristalsis by the formation of a bolus caused the minor cases of colic. To emphasise how this pain is produced I suggest that it be called "bolus colic." I believe that this simple cause of intestinal colic has not received sufficient recognition. For instance, Cope (1935) mentions the part played by tainted food in causing intestinal colic but says nothing about those indigestible foods which in the ordinary case are essentially to blame.

## CASE-RECORDS

Case 1.—A boot repairer, aged 33, ate monkey-nuts one evening and woke at 6 A.M. with severe central abdominal pain, which continued all day and was accompanied by vomiting. He was admitted to the Leeds General Infirmary that evening with acute tenderness in the right lower abdomen and was thought to be a typical case of acute obstructive appendicitis. The fact that he had had two similar but less severe attacks earlier in the year was thought to substantiate this diagnosis.

At operation clear free fluid was found in the abdomen, and the terminal loop of small intestine was found to be packed tight with hundreds of hard objects, which felt like small faceted gall-stones. The mesentery of the

loop and of the ileocæcal angle showed hæmorrhages and œdema. The hard objects, which proved to be improperly chewed monkey-nuts, were firmly impacted and could not be moved onwards in a mass by pressure. Singly, however, portions of nut could be pushed through the ileocæcal valve; but, after this had been persisted in for some time, the number remaining in the intestine seemed hardly to have diminished, and therefore enterotomy was performed, the nuts were removed, and the intestine was sutured.

A bolus which caused intestinal obstruction by impaction in the terminal ileum (case 3). It consists of the segments of an orange moulded together by peristalsis: (*a*) as removed at operation; (*b*) dissected to show segments. (Actual size.)

Uneventful recovery followed. Both of his previous attacks had definitely followed the eating of coco-nut macaroons.

CASE 2.—A female typist, aged 21, complained of colicky central abdominal pain. She gave a history of having taken a great liking for sugared almonds; during the week before the onset of the pain she had eaten, chiefly at the office and instead of meals (she was missing her meals because of the "indigestion"), ¼ lb. of these nuts. The pains had begun on Sept. 15, 1938, and were typical of colic of the small intestine. They had continued mildly for five days. On the fifth evening she ate a quarter of a coco-nut and had had only a drink before going to bed. The next morning she had had only a cup of tea for breakfast, and during the morning, again on an empty stomach, she had eaten more of the coconut. After that her pains suddenly increased in intensity, and, though she ate some lunch, she vomited it immediately. The pains became progressively worse, with the result that she was admitted to hospital.

On examination her abdomen was distended, with generalised tenderness but little rigidity. No definite diagnosis was made, but immediate operation was advised. At operation the abdomen was found to contain a considerable quantity of clear free fluid, and a dilated loop of lower jejunum immediately presented itself. The loop felt solid and heavy and was intensely congested and its mesentery was œdematous. It contained an impacted solid mass, which was causing obstruction, the distal gut, being collapsed. The mass felt pultaceous with many hard pieces in it; it could be broken up by the fingers through the intestinal wall and the pieces then easily pushed down the gut. It was decided that it was unnecessary to do anything further, and the abdomen was closed after appendicectomy. The patient, however, made an uneventful recovery.

Closer investigation of the history revealed that she had had two milder attacks five months and three months previously. The first attack could not be explained; but the second attack started at 5 P.M. with central colicky abdominal pain after she had eaten a considerable quantity of tinned peaches and cream at luncheon. The pains continued all evening but did not cause vomiting. They eased at 1 A.M., after which she slept and returned to the office next morning.

CASE 3.—A married woman, aged 57, had suffered from colicky abdominal pain and vomiting for four days. The pains had begun on the evening of Nov. 24, 1938, and continued in spasms all that night and next morning, when she first vomited. The pains continued, being worse and followed by vomiting, whenever the patient ate anything. Her bowels had not acted since two days before the onset of the pain, and castor oil was taken without result. On the 26th she visited her doctor and was given medicine. On the 27th the spasms of pain and vomiting still continued, and she noticed for the first time distension of the abdomen.

On examination in hospital on the 28th she was found to be an ill woman with a pulse-rate of 124 and a bowl of fæcal-smelling vomit at the bedside. The abdomen was only slightly distended, and some tenderness was present, but the splashing and tinkling which can usually be heard over dilated coils of obstructed small intestine were absent. This was thought so unusual that some doubt was felt about the diagnosis.

Laparotomy was performed immediately and revealed only a moderate dilatation of the small intestine; but a mass was found impacted in the lower ileum. Enterotomy proved the mass to be the segments of an orange (from which the juice had been squeezed by the patient's edentulous gums) all neatly moulded together to form an oval lump about 2½ in. × 1 in. (see figure). She had eaten the orange on the afternoon of the day on which the pains began. Uneventful recovery followed.

CASE 4.—A schoolboy, aged 8, was admitted as a case of acute appendicitis on July 18, 1939. For two days he had suffered from colicky abdominal pain with repeated vomiting, and his doctor had found a lump in the right iliac fossa.

A moderately tender but soft lump was found in the right iliac fossa, with no evidence of peritonitis. This lump felt unlike an appendix abscess, being definitely softer and less tender. We were just considering the diagnosis, when it came to light that the boy had eaten the greater part of a coco-nut two days earlier. This immediately made the diagnosis clear, and it was thought that the lump was the terminal ileum distended and packed tight with coco-nut. Since the obstruction was low down, and the impaction having been very tight in the previous cases, it was decided to operate.

At laparotomy free fluid was found in the abdomen. The lump that we had felt was found to be the terminal 7 in. of ileum, distended to 1½ in. in diameter and solid with coco-nut. Enterotomy was performed, and uneventful recovery followed.

The foregoing cases have certain features in common:—

(1) The eating of food which resists the action of the digestive juices sufficiently long to travel down the small intestine in semi-solid or solid form.

(2) The fact that this food was eaten alone on an empty stomach and, being the only contents of the small intestine, was squeezed together into a bolus which found difficulty in passing through the gut.

(3) Inefficient mastication due either to inadequate teeth, as in case 3, or to bolting the food through hurry, excitement, or a ravenous appetite.

(4) The site of impaction in three out of the four cases and in most of the cases reported by others is the terminal ileum. Two factors are probably responsible: the narrowing of the intestine from above downwards, especially at the ileo-cæcal valve, and the absorption of fluid as the contents travel downwards.

In the following three cases the same mechanism was clearly at work, but all the patients recovered spontaneously.

CASE 5.—A medical student ate about a third of a coco-nut at 7.30 P.M. after having had an ordinary tea at about 5 o'clock. At 2.30 A.M. he was awakened by severe pain in the left hypochondrium, which gradually radiated over the whole of the abdomen but was definitely more on the left side than on the right. It was acute, caused him to double up, and was definitely intermittent. After about an hour he vomited without relief.

His doctor was immediately sent for and suggested that the pain was due to the coco-nut. He advised the patient to drink a quantity of hot water, and at about 4.30 A.M. all the coco-nut was vomited in one mass, which was described as "boat-shaped" and measuring about 2½ in. × 1½ in.

The patient had had an intussusception at the age of six months and had been liable to attacks of colic since his teens. One attack had been due to eating roasted peanuts, but he did not attribute the others to any particular food. The left-sided pain and the vomiting of the bolus suggest that the obstruction had taken place in the jejunum.

CASE 6.—A child, aged 2 years, was seized with colicky abdominal pain in the night, and the parents sent for the doctor at 6 A.M. There was no localised abdominal tenderness, the pulse and temperature were normal, the tongue was clean, and there was no diarrhœa. The parents said that the child had "bolted" an apple on the previous day. The doctor decided that no immediate treatment was necessary, and he saw the child again at 11 A.M. In the meantime a bulky stool had been passed in which pieces of apple could be clearly recognised, and the child's pain had ceased.

This is an illuminating case of what is called "green-apple colic," which is often explained as being due to the acid in the sour green fruit which upsets the intestine. The presence of hard bits of apple in the first stool passed after the attack make it more probable that it is the hardness of unripe fruits, rather than the sourness, that is responsible for the pain.

CASE 7.—A girl, aged 19, ate 1 lb. of cherries. At 11 P.M. her doctor was called in, and to him the case resembled one of intestinal obstruction. There was vomiting, with colicky abdominal pain, and the girl looked ill, but in view of the history of eating the cherries, her doctor did not send her into hospital, and the next morning she passed a motion containing cherry skins and stones.

### CONCLUSION

The reputation gained by castor oil in the treatment of acute abdominal pains is so well established in the mind of the layman that the efforts of the medical profession to dislodge it have as yet proved unavailing. This means that for every acute appendix in which the onset of peritonitis has been precipitated by castor oil many undiagnosed pains have been cured.

What type of abdominal pain is such treatment likely to cure? First, since castor oil acts on the intestine only, the origin of such pain is certain to be intestinal. Secondly, it will cure only those pains which are due to irritation of the gut by substances which can be evacuated as a result of its use. It is clear that in cases of colic due to enteritis the use of castor oil may be valuable, but in bolus colic its action demands further thought. If solid contents are squeezed into a bolus by peristalsis, castor oil may merely tighten the impaction and produce complete obstruction. Alternatively, it may effect a dramatic cure by causing the ejection of the bolus into the cæcum. What happens will depend on the local circumstances, the bulk and consistence of the obstructing mass to be moved, and the amount of diluting fluid. I therefore suggest that, although castor oil will undoubtedly cure some cases of bolus colic, its use is hazardous, and that it is wiser to administer fluids by mouth liberally in the hope that the bolus may thereby be disintegrated.

In the diagnosis of cases of acute abdominal pain more attention should be paid to the patient's statement that it followed the eating of some particular food. When this information is not spontaneously given, specific inquiries should be made to eliminate the types of food mentioned in this article.

If a bolus can produce colic in normal intestines, it is far more likely to do so in a small intestine narrowed by disease or angulated or pressed on by bands. To produce colic a fairly severe degree of mechanical block must be present; lesser degrees of impaction both in normal and in hampered intestines are also likely to produce symptoms.

### SUMMARY

A common cause of "ordinary stomach-ache" is a bolus colic of the small intestine.

Bolus colic is due to excessive peristalsis induced by the temporary impaction of a solid mass of food in the small intestine. Such masses may consist of recognisable pieces of solid food, but are usually due to the moulding together by peristalsis of semi-solid and relatively indigestible food.

In four cases the bolus of indigestible food became so tightly impacted as to necessitate urgent operation. In three others acute abdominal pain, which recovered spontaneously, was clearly due to bolus colic.

I wish to thank the honorary surgical staff of the General Infirmary at Leeds for permission to treat and publish these cases, and Dr. R. C. N. Shires and Dr. W. H. Bean for the accounts of cases 6 and 7.

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## AIR-BORNE STREPTOCOCCAL INFECTION FOLLOWING INFLUENZA

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DEPUTY MEDICAL SUPERINTENDENT OF THE HOSPITAL

EPIDEMIOLOGICAL evidence must often be circumstantial. In particular, attempts to trace the source and mode of spread in any outbreak of infection depend on the accumulation of different pieces of evidence which in the aggregate suggest one particular source and one particular vehicle of spread. The data collected from the following outbreak of secondary streptococcal infection among men recovering from influenza point to an aerial spread of the infecting streptococcus.

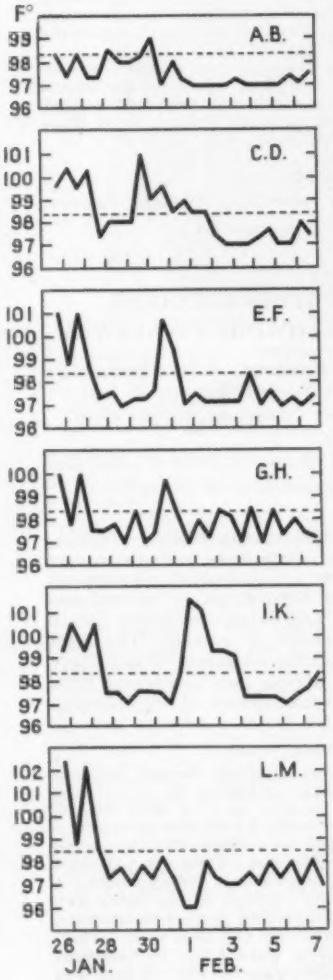
### CLINICAL NOTES

Eleven soldiers, whose illnesses began between Jan. 21 and Jan. 25, were admitted on Jan. 26 to two small and similar wards, each of 6542 cu. ft. capacity, six soldiers in ward 1 and five in ward 2. All gave a history of general malaise with headache or backache and tracheitis, and all except A. B. had pyrexia on admission, temperatures ranging between 100° and 102° F. By the evening of the third day in hospital all temperatures had settled to normal, and by the fourth or fifth day the men were feeling much better. However, in ward 1 the temperature of C. D. rose on the fifth day to 101° F. and was accompanied by fresh pain in the throat and chest with some shivering. His fauces were acutely congested. On the next day E. F., G. H., and I. K. in the same ward developed pyrexia with similar

symptoms, and on the evening of that day a scarlatiniform rash spread over the trunk and limbs of I. K. who was confirmed clinically and by Dick and Schultz-Charlton tests to have scarlet fever. The five other patients gave negative reactions to the Dick test. The secondary pyrexia settled in two days, and all the patients made an uneventful recovery. The danger, however, of such secondary infection to patients recovering from influenza was tragically demonstrated in the 1918 pandemic. The mildness of the attacks in the present instance was probably due to the good resistance of healthy men. A typical case-record is given below, and the temperature charts of all six patients are appended (see figure). There was no instance of secondary pyrexia or of fresh symptoms among the five men in ward 2.

### TYPICAL CASE-RECORD

C. D., aged 28, admitted to hospital on Jan. 26, 1940, with general malaise, pains in the back and frequent dry cough since the 24th. On admission his general condition was good; patient complained of aching in back and limbs; cough frequent; pain in the throat and some pain on swallowing. Fauces showed considerable congestion but no exudate. Slight symptoms of coryza.




Temperature charts of six patients with influenza, of whom four (C. D., E. F., G. H., and I. K.) acquired a secondary streptococcal infection.

Jan. 27: cough troublesome, fauces congested, patient slept poorly, pains in back and knees, chest clear. Jan. 29: some improvement, patient slept better, symptoms less. Jan. 30: worse; throat more painful; patient complains of pain in chest at left base, shivers down spine, feverish; fauces show more congestion, chest a few coarse râles especially on left side. Feb. 4: pain easier, cough less troublesome, patient feels better, fauces still very congested. Feb. 8: much improved, chest clear, fauces clear, slight cough still remaining. Feb. 14: cough now only slight, fauces normal. Patient discharged on the 21st.

### BACTERIOLOGY

All eleven men on the third day after admission had nose and throat swabs bacteriologically examined for hæmolytic streptococci, pneumococci, and *Hæmophilus influenzæ*. Only one patient, G. H., in ward 1 had some hæmolytic streptococci in the nose, and two patients in ward 2 had scanty hæmolytic streptococci in the throat. However, one man, A. B., in ward 1 had a particularly severe cough with blood-stained sputum, which gave a practically pure culture of *Streptococcus pyogenes* type I. After identification and removal of the case of scarlet fever, in which the infecting streptococcus was also of type I, nose and throat swabs were taken on Feb. 5 from the remaining five men in ward 1 and from the five men in ward 2. Three of the men (C. D., G. H., and L. M.) in ward 1 had hæmolytic streptococci in the throat and/or nose, and two (A. B. and E. F.) had not. L. M., who did not develop secondary pyrexia, had hæmolytic streptococci in the nose only. Only one patient—one of those originally positive—in ward 2 had scanty hæmolytic streptococci in his throat. Repeat swabs three days later from the two negative cases (A. B. and E. F.) in ward 1 were positive; and, when all five patients were swabbed a week later on Feb. 12, all except L. M. had hæmolytic streptococci in the throat, and three had also positive nasal cultures. From all the patients in ward 1 the streptococcus isolated was serologically of type I.

When the first swabbing after the secondary infection showed that most of the patients in ward 1 had hæmolytic streptococci in the throat and/or nose, blood-agar petri plates were exposed in the ward to find if the infecting streptococcus was present in the air. Three plates exposed on Feb. 6 for two hours (7–9 A.M., when bed-making and sweeping and dusting were being done) gave a total of 90 colonies of hæmolytic streptococci, and random samplings of these colonies were all *Strep. pyogenes* type I. A week later (Feb. 13) three plates exposed for an hour (8–9 A.M.) in the infected ward and three in the adjacent ward which housed the other influenza patients yielded respectively 16 and 2 colonies of hæmolytic streptococci. The latter could not be serologically identified. Nose and throat swabs from the nursing and domestic staff, who were common to both wards, were all negative for hæmolytic streptococci on two separate occasions.

### AEROSOL FOR AERIAL DISINFECTION

The presence of large numbers of the infecting streptococcus in the atmosphere of ward 1 and in the noses of the patients and the absence of any nurse-carrier pointed to an air-borne infection. Moreover, the presence of the streptococcus in the air of the ward was possibly responsible for the persistence of the positive nasal cultures, for the finding of hæmolytic streptococci in nasal swabs is in our experience and that of others (Straker et al. 1939) very rare. Indeed, we have come to regard the presence of hæmolytic streptococci in the nose as a sign, in the absence of local infection, of aerial pollution with that organism. Since the carrier condition was persisting despite the general well-being of the patients and local applications of "blue paint," it was decided to attempt the sterilisation of the atmosphere with an aerosol, a finely atomised antiseptic in air (Pulvertaft et al. 1939). André (Components) Ltd. supplied a Phantomyst model C 1 atomiser, and the ward was treated on two successive days (Feb. 16 and 17) with an antiseptic mixture called Aeryl 1*, the machine being run for 10 min. and the sterilising effect tested after a further 20 min. Three blood-agar plates were exposed for an hour in the ward before and after each treatment, and the results are summarised in table I. Despite a concentration by volume of only 1 part in 10 million of antiseptic to air, there was after each test an appreciable reduction both of hæmolytic streptococci and other organisms, which mostly comprised *Staphylococcus albus* and pigmented cocci. Table I also exemplifies the greater concentration of bacteria in the air after sweeping and dusting in the morning than in the quieter afternoon. Nose and throat swabs were taken before the first and after the second treatment from the five influenza patients and from a convalescent patient who had been admitted to the ward on Feb. 7 with a staphylococcal infection of the nose. The results are given in table II, which shows that four of the six patients had positive nasal

* Resorcinol is the principal germicide in this preparation.

TABLE I—EFFECT OF AEROSOL ON THE BACTERIAL CONTENT OF THE AIR OF THE WARD

| Tests | Aerosol bactericide employed | Time of action (min.) | Concentration, vol. of air / vol. of liq. | Organism | No. of colonies before and after aerosol | |
|---|---|---|---|---|---|---|
| | | | | | Before | After |
| 1st : 2–2.30 P.M. Feb. 16 | Aeryl 1 | 20 | 10,588,000 | Hm. st. | 6 | 2 |
| | | | | Others | 616 | 275 |
| 2nd : 8.30–9 A.M. Feb. 17 | ,, | 20 | 10,588,000 | Hm. st. | 9 | 1 |
| | | | | Others | Unc. | 240 |

Hm. st. = Hæmolytic streptococcus. Unc. = uncountable.

cultures before the aerosol was used, whereas after treatment only one nasal swab was positive, and that came from a man with a pathological lesion of his nose. Two days later this patient's nasal culture was still positive, and one other patient had scanty hæmolytic streptococci in his nose.

### EPIDEMIOLOGY

The suggested sequence of events in this little outbreak are these. One patient in a ward accommodating six men with clinical influenza has a streptococcal infection of the upper respiratory tract. The infecting streptococcus, *Strep. pyogenes* type I, which commonly causes scarlet fever, is sprayed into the air by frequent coughing and, when it reaches an effective concentration, sets up secondary streptococcal infection (including a case of scarlet fever) in all but one of the remaining five patients. The spread of infection is facilitated by the susceptible state of the upper respiratory tract of patients recovering from influenza, by overcrowding, and by inadequate natural ventilation. Besides the blackout at night, windows were not kept as open during the day as they might have been, because the outbreak took place during a very cold spell of weather. The secondarily infected patients pollute the air of the ward still more, till most of them become, by inhalation, nasal carriers of the infecting organism. Attempts to disinfect the atmosphere with aerosol reduce the numbers of streptococci in the air and allow the natural sterilising mechanism of the nasal mucosa to get rid of the inhaled streptococci.

TABLE II—RESULTS OF NOSE AND THROAT SWABS TAKEN BEFORE AND AFTER TREATMENT OF THE WARD WITH AEROSOL

| Patient .. | | A. B. | C. D. | E. F. | G. H. | L. M. | N. P.* |
|---|---|---|---|---|---|---|---|
| Feb. 16 | Nose | − | + | − | ++ | ++ | ++ |
| | Throat | + | + | + | ++ | − | − |
| Feb. 18 | Nose | − | − | − | − | − | + |
| | Throat | − | ++ | − | + | − | − |

+ = Some colonies of hæmolytic streptococcus.
++ = Numerous colonies of hæmolytic streptococcus.

* This patient was convalescing from a staphylococcal infection of the nose.

That the outbreak was air-borne and not spread by droplet infection or by fomites is suggested by the following facts :—

(1) The patients became infected almost simultaneously, which indicates a source equally available to all ; in this respect the air seems to be the natural medium for the carriage of respiratory pathogens, as water or milk is for intestinal pathogens.

(2) The patients were all confined to bed at the time of the secondary outbreak ; hence direct spread from patient to patient was impossible. The patient nearest to the originally infected man was the only one who did not develop a clinical infection, although he became a nasal carrier. None of the attendant nursing staff was proved to be a carrier of the infecting streptococcus ; hence spread by carrier to patient seems unlikely. This is further supported by the finding that none of the equally susceptible influenza patients in the adjacent ward became affected, although they were being attended by the same medical, nursing, and domestic staff.

(3) The infecting streptococcus was abundantly present in the air of the ward in which the outbreak took place and absent from that of the adjacent ward.

### SUMMARY

An outbreak of streptococcal infection among a group of men recovering from influenza is believed on bacteriological and epidemiological evidence to have been aerially spread. The use of aerosol to disinfect the air of the ward seemed to help the patients to get rid of the infecting streptococcus from nose and throat.

We are indebted to Dr. H. Neisser for help with the serological typing of the streptococci.

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# SULPHAMETHYLTHIAZOLE IN EXPERIMENTAL STAPHYLOCOCCAL INFECTIONS

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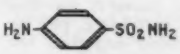
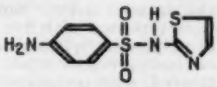
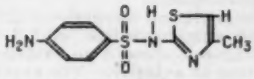
The treatment of *Staphylococcus aureus* infections in man with sulphanilamide and its derivatives has been disappointing ; therefore reports of compounds efficient in these infections are of interest. The new drugs are provisionally named sulphathiazole and sulphamethylthiazole ; the formulæ show their relation to the parent sulphanilamide.




Sulphanilamide




Sulphathiazole




Sulphamethylthiazole

Some of the properties of these drugs have already been discussed (Long 1940, The Lancet, 1940). It is known that sulphamethylthiazole disappears more rapidly than sulphapyridine from the blood of mice, and it is said that in mice a dose of 1 g. of sulphamethylthiazole per kg. of body-weight causes a maximal concentration of 15 mg. per 100 c.cm. of blood in four hours. Daily doses of 1·5 g. per kg. of body-weight given by mouth for fifteen days produced no ill effects in mice, and a daily dose of 5 g. caused toxic symptoms in ten days. Toxic effects, as judged by otherwise unaccountable loss of weight of the mice, were not observed in the present work.

The new drugs have been tried on a wide range of organisms by McKee and colleagues (1939), Barlow and Homburger (1939), and others, but the chief interest lies in their therapeutic effect against staphylococcal infections. For this reason it was decided to test the small available supply of sulphamethylthiazole solely against staphylococcal infections in mice. Mice were infected by the intraperitoneal, intravenous, and subcutaneous routes, and the drug was given by mouth. The strain of *S. aureus* used in all experiments was recovered from the blood-

TABLE I—ACTION OF SULPHAMETHYLTHIAZOLE IN INTRAPERITONEAL STAPHYLOCOCCAL INFECTIONS

| No. of mice | Drug | Dose of drug in mg. | | Mice surviving 21 days |
|---|---|---|---|---|
| | | Single | Total | |
| 8 | None | — | — | 2 |
| 8 | Sulphapyridine | 10 | 200 | 3 |
| 8 | ,, | 20 | 400 | 4 |
| 8 | Sulphamethylthiazole | 10 | 200 | 3 |
| 8 | ,, | 20 | 400 | 5 |

stream of a patient who died of pyæmia, and it showed the commonly accepted criteria of a pathogenic strain. Early attempts to kill mice by intraperitoneal injection of this strain were not always successful, but repeated mouse passage increased its virulence. The susceptibility of mice to infection with staphylococci is known to be highly variable and must always be reckoned with in experiments of this kind. The organisms for injection were grown on agar slopes for twelve to eighteen hours at 37° C., washed thrice in nutrient broth to remove toxin, and finally suspended in saline, the suspension containing 1000–1500 million cocci per c.cm. Young mice weighing 18–25 g. were used in all experiments.

### INTRAPERITONEAL INFECTIONS

In a preliminary test 16 mice were given about 1000 million living washed staphylococci intraperitoneally, and 8 of them were treated with 10 mg. of sulphamethylthiazole in milk by mouth, half an hour and six hours after injection, thereafter twice daily for four days, and then once daily till the fifteenth day. At the end of twenty-one days 4 of the treated mice and 2 control animals were alive. The survivors were killed on the twenty-second day, and at autopsy *S. aureus* was recovered either from abscesses in the kidneys or other organs or from the bloodstream in both of the surviving controls and in 3 of the treated mice. Similar experimental conditions were repeated with five sets of mice (table I), the dose of sulphamethylthiazole being 0·5 and 1·0 g. per kg. of body-weight, while mice similarly injected but treated with sulphapyridine served as further controls. All the mice received 1000 million staphylococci intraperitoneally.

Of the mice surviving twenty-one days 1 control, 3 treated with sulphapyridine, and 3 treated with sulphamethylthiazole showed no evidence of staphylococcal infection at autopsy. The experiments were thought to show that both sulphapyridine and sulphamethylthiazole had some beneficial effect. The large inoculum of organisms required to produce even relatively uniform results and the survival of control animals, though common in experimental work on staphylococcal infections in mice, were disquieting, and the use of an adjuvant to invasion, such as mucin, was considered. Whitby (1938) was able to kill 3 out of 6 mice with only 150 staphylococci, and the advantages of a small infecting dose are many. It was thought best, however, to try another route of infection because of unfamiliarity with the use of mucin, whose action is imperfectly understood. By giving the organisms intravenously (a method employed by many American workers) a smaller dose was required and more constant results were obtained.

### INTRAVENOUS INFECTIONS

With the same organism 0·2 c.cm. of a washed saline suspension containing roughly 400 million cocci was injected into the tail veins of mice. This dose usually caused pyæmia, abscesses being concentrated mostly in the kidneys and less often in the liver, spleen, and joints. As with other routes of infection, however, a few mice died within twenty-four to forty-eight hours, often before abscesses had time to form. Sulphamethylthiazole was given in milk by mouth at the same times as before (table II).

*S. aureus* was recovered in all mice dying before the twenty-first day from abscesses either in the kidney or elsewhere, and no appreciable difference in the number or size of abscesses or evidence of healing was found in the mice treated with sulphamethylthiazole. Autopsies on the mice living for twenty-two days showed that 2 receiving the higher dose and 1 the smaller dose of sulphamethylthiazole had no abscesses, and *S. aureus* was not recovered on culture. Since sulphamethylthiazole is rapidly excreted from the blood of mice, it was incorporated in their food and milk to secure a more uniform concentration in the blood. A 1 per cent. and a 1·5 per cent. addition of sulphamethylthiazole to the diet of two groups of 10 mice was expected to give a fairly constant intake of the drug, because the mice fed regularly both day and night. At the end of the tenth day 7 of each treated group of 10 mice were alive, and on the twenty-second day 1 control, 5 on the 1 per cent. diet, and 4 on the 1·5 per cent. diet were still alive.

TABLE II—ACTION OF SULPHAMETHYLTHIAZOLE IN INTRAVENOUS STAPHYLOCOCCAL INFECTIONS

| No. of mice | Drug | Dose in mg. | | Mice surviving (days) | | | |
|---|---|---|---|---|---|---|---|
| | | Single | Total | 1 | 5 | 12 | 21 |
| 10 | None | — | — | 8 | 6 | 4 | 1 |
| 10 | Sulphamethylthiazole | 10 | 200 | 10 | 8 | 5 | 3 |
| 10 | ,, | 20 | 400 | 10 | 9 | 6 | 5 |

A comparison of the different sulphonamides now used in staphylococcal infections is shown in table III. The injections were made intravenously, and the drugs were suspended in milk and given by mouth.

In only 1 mouse (treated with sulphamethylthiazole in the diet) was the organism not recovered at autopsy. These experiments suggest that both sulphapyridine and sulphamethylthiazole protect mice from early death by staphylococcal infections, and that in the doses used they have more effect than the other drugs, given in the same doses under similar conditions, in prolonging the life of mice. The relative values of the various compounds cannot, however, be adequately compared in experiments such as these, which have no check on the absorption, optimal dosage, and concentration in the blood of the various drugs.

### SKIN LESIONS

The last group of experiments was made to find out whether sulphamethylthiazole would affect experimental staphylococcal lesions of the skin. For this purpose 4 rabbits were given 0·2 c.cm. of a washed staphylococcal suspension containing 200–300 million organisms into the shaved skin of each flank according to the method described by Downie (1937). Sulphamethylthiazole 1 g. in suspension was given by mouth to 2 of the rabbits, the first dose two hours before injection and the second six hours later. The treated rabbits were given 6·0 g. of sulphamethylthiazole in all, treatment being stopped on the fifth day. All the lesions healed in about the same time, the last abscess to heal being in a treated animal.

Because of the chronicity of the lesions and for reasons of economy an attempt was made to cause similar lesions on the skin of mice. The original strain of staphylococcus proved satisfactory and was accordingly used. With subcutaneous or intradermal injection thorough washing of the organisms is important, because preformed toxins may induce large areas of necrosis within twenty-four hours with little immediate inflammation and slow separation of sloughs. When the organisms were washed, abscesses were formed, and necrosis developed slowly and was less than with unwashed cultures. Control experiments with washed heat-killed staphylococci caused neither necrosis nor abscesses. On the day before

injection the bellies and flanks of the mice were shaved so that accidental abrasions of the skin were avoided, and for the test lesions 0·05 c.cm. of a saline suspension containing about 75 million washed staphylococci was injected under the skin of the lateral part of the belly. The mice were watched daily, care being taken to ensure that the bedding in all cages was clean and dry to prevent secondary infections.

After twelve hours there was usually slight reddening and œdema at the site of injection and after forty-eight hours definite abscess formation. The lesions increased in size for four or five days, when they were commonly 0·5–0·75 cm. in diameter and the central area of the abscess was beginning to separate, leaving a shallow ulcer. The usual time for the lesion to heal in untreated mice was ten to fifteen days. Histological examination of the lesions on the fourth day showed necrosis of the skin and subcutaneous tissues and intense cellular reaction, with clumps of staphylococci mostly in the necrotic areas but invading all the tissues down to the muscle layer, which was the site of œdema and inflammation. Cultures made from the floors of many of the ulcers or from the exudate after scabs had formed gave growths of *S. aureus* to within four days of healing.

Treatment was not begun in this series until two days after inoculation, when well-developed abscesses were present. It was continued for ten days, the drugs being suspended in milk and given by mouth, except when incorporated in the diet, and all lesions were unprotected (table IV).

By cultural methods there was no evidence that the staphylococci disappeared more rapidly from any one group of lesions. Besides the ordinary controls for this experiment a number of mice were infected with hæmolytic streptococci, and many of them developed localised lesions. Several of these animals, however, died from a spreading streptococcal infection within

TABLE III—ACTIONS OF DIFFERENT SULPHONAMIDES IN INTRAVENOUS STAPHYLOCOCCAL INFECTIONS

| No. of mice | Drug | Dose in mg. | | Mice surviving (days) | | | |
|---|---|---|---|---|---|---|---|
| | | Single | Total | 1 | 5 | 12 | 21 |
| 6 | Control | — | — | 6 | 4 | 2 | 0 |
| 6 | Sulphanilamide | 20 | 400 | 4 | 2 | 2 | 1 |
| 6 | Uleron | 20 | 400 | 5 | 3 | 2 | 2 |
| 6 | Sulphapyridine | 20 | 400 | 6 | 5 | 4 | 3 |
| 6 | Sulphamethylthiazole | 20 | 400 | 6 | 6 | 5 | 3 |
| | | 1% in diet | | 6 | 5 | 4 | 4 |

forty-eight hours, while most of those treated with sulphanilamide survived. The lesions in the surviving treated animals healed more quickly than in those not treated ; and, though the number of mice was small, there was some evidence that streptococcal skin lesions in mice could be favourably influenced by sulphanilamide therapy. In contrast, staphylococcal lesions in all treated mice healed within the period which had been found to be normal for untreated animals. The treatment did not seem to affect either the extent, nature or healing of the lesions, or the degree of invasion of the tissues.

## COMMENTS

In these experiments about 200 mice were studied, a number inadequate for chemotherapeutic trial, and the results obtained must therefore lead mainly to impressions. Of the mice infected both by the intraperitoneal and intravenous routes and treated with sulphapyridine or with sulphamethylthiazole about half lived for twenty-one days. Many of those surviving this length of time harboured the infecting organism, and some still had abscesses in the kidneys. Treatment for only fifteen days may not have been sufficient, but it is fairly characteristic of the sulphonamide drugs that when they act they do so quickly.

Some of the results obtained compare unfavourably with those of several experienced workers. Domagk (1937), who infected mice with intraperitoneal injections of a broth-culture of staphylococci, obtained satisfactory results with Uleron when the mice were watched for less than a week, and Whitby's (1938) results with sulphapyridine are better than those reported here. From the present work, however, it seems that both sulphapyridine and sulphamethylthiazole prevented many of the early deaths in

TABLE IV—ACTION OF SULPHAMETHYLTHIAZOLE ON STAPHYLOCOCCAL LESIONS OF THE SKIN

| No. of mice | Drug | Dose in mg. | | Average day of healing |
|---|---|---|---|---|
| | | Single | Total | |
| 12 | — | — | — | 14 |
| 12 | Sulphapyridine | 20 | 220 | 15 |
| 12 | Sulphamethylthiazole | 20 | 220 | 14 |
| 12 | ,, | 1% in diet | | 12 |

staphylococcal infections of mice, and it is probable that both drugs are less efficient after abscesses have begun to form.

None of the sulphonamide drugs is particularly active in the presence of pus, and the experiments with skin abscesses may indicate that sulphamethylthiazole does not completely overcome this difficulty. Barlow and Homburger (1939) believe that sulphamethylthiazole prevents the development or allows the healing of staphylococcal abscesses in a significant number of mice suffering from pyæmia. In one of the experiments quoted by these workers all 10 control mice died, while 9 of the mice treated with sulphamethylthiazole survived, and at autopsy the abscesses were fewer in the treated group than in the controls. The implication that fewer abscesses indicates efficient therapy may be difficult to maintain when there is great variation in abscess formation in untreated mice.

Herrell and Brown (1939) found that better protection could be obtained in staphylococcal infections of mice by sulphamethylthiazole than by sulphapyridine, and this impression may be true ; but there is yet little evidence that sulphamethylthiazole is as specific for staphylococcal infections as other sulphonamide compounds are for pneumococcal or for streptococcal infections.

## SUMMARY

About half the number of mice infected with staphylococci by the intraperitoneal and intravenous routes survived twenty-one days when treated for fifteen days with sulphamethylthiazole. Sulphapyridine under similar conditions was only slightly less effective. Many of the treated mice still harboured *S. aureus* in the kidneys or other organs after twenty-one days.

Neither sulphamethylthiazole nor sulphapyridine given by mouth affected the course of experimental staphylococcal lesions of the skin of mice.

I wish to thank Prof. John Cruickshank for his help and advice ; and the research department of the Maltbie Chemical Co. for the sulphamethylthiazole.

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# THE SEDIMENTIN INDEX

By George Day, M.D. Camb.
PHYSICIAN TO THE MUNDESLEY SANATORIUM

[*Introduction.*—I must apologise for having to introduce the word "logarithm" into this article. I know that the mere sight of the word is enough to deter any but the most stout-hearted from reading on. All the same it is the simplest and shortest method of describing a certain relationship between two sets of figures. To take a homely example: If, for every kick you give the policeman, your sentence is doubled, trebled, or worse still multiplied by 10, you find that the earlier kicks have cost you less than the final one, and you need logarithms in order to calculate from your final sentence how many kicks got home (in case you have lost count).

For $S_2$ (your final sentence) = $S_1$ (your original sentence $\times 10^n$ (where n = number of kicks)

or $\log S_2 = \log S_1 + n\log 10$.

Then suppose you arbitrarily disregard $\log S_1$ and make $\log 10 = 1$ unit.

Then $\log S_2 = n$ units.

In other words, by taking the logarithm of your final sentence you get the number of arbitrary kickage units: similarly, as will shortly appear, by taking the logarithm of the maximal velocity of sedimenting blood you get the number of arbitrary sedimentin units. It sounds fishy, but it is all right.]

For the past twelve months I have recorded, at the monthly blood-sedimentation test of every patient, not only the number of millimetres the upper corpuscular layer has fallen in a 200 mm. tube at the end of the first and second hours but also the fall observed every ten minutes for two and sometimes two and a half hours from the moment the column of blood was set up. (The tubes are watched by my typist, who has only to glance up from her work at these intervals to record how the various tubes in the rack are getting on. Blood samples which sediment very slowly are inspected again four or five hours later so that their maximum velocity may be checked over a longer period and ascertained to the nearest quarter millimetre per hundred minutes.) In every instance these ten-minute readings are plotted on a time-distance graph, as described by Cutler, and the curves obtained have similar characteristics (fig. 1). First, there is a period of acceleration while the individual corpuscles are agglutinating into clumps (0–A). As the radii of these clumps increase, so does their rate of fall. Then the fully grown clumps fall for a while uniformly at a maximal velocity (A–B). Finally, their "free fall" is more and more obstructed by "packing" in the lower part of the tube and their speed progressively slowed (B–C). The middle period—the period of maximal velocity when the clumps are falling in accordance with Stoke's law at a uniform rate proportional to the square of their radius (A–B)—is the important period. From this part of the curve can easily be calculated the maximal velocity in millimetres per hundred minutes. The logarithm of this maximal velocity per hundred minutes I call the sedimentin index of the blood; for I have demonstrated previously (*Tubercle*, June, 1939), by simple experiments involving the increasing dilution of blood plasma, that the logarithm of the maximal velocity is directly proportional to the concentration of "sedimentin" (a generic term for fibrinogen, serum globulin, and any other substances in the plasma which cause corpuscles to clump). Each additional unit of sedimentin causes the previous maximal velocity to be multiplied by ten.

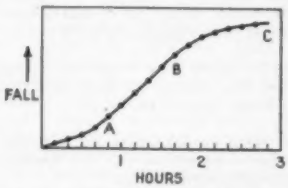



Fig. 1—Sedimentation-rate measured at ten-min. intervals.

The sedimentin index gives the quantity of sedimentin in the blood sample as a whole, and is unaffected by any variation in the red-cell count. To many this will be a startling piece of news, for Fahreus and many subsequent observers have argued fallaciously that variations in the cell volume affect sedimentation-rate. But they have invariably rendered their blood samples anæmic or hyperæmic by the addition or subtraction of plasma, and this has, of course, increased or decreased the sedimentation index of the samples. Had they kept the plasma volume constant and varied the cell volume by replacing portions with equal portions of inert saline-citrate solution, they would have found within very wide limits that the samples all sediment at exactly the same rate (vide *op. cit.* experiment No. VII). There is no occasion for "correction of cell volume" although it can be done by anyone anxious to think in terms of "plasma-sedimentin" instead of "blood-sedimentin"; but nobody performs this operation when determining "blood-sugar," "blood-urea" or "blood-chlorides," so why "correct" for blood-sedimentation?

What advantage is gained by this method over the ordinary one-hour reading? First, the sedimentin

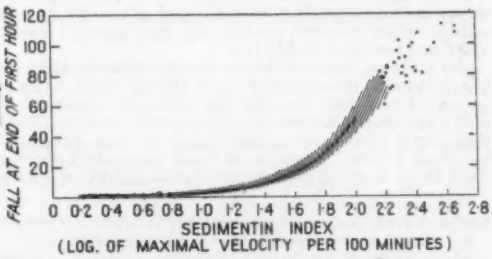



Fig. 2—Mean curve of values of sedimentin index of some 700 samples of blood plotted against their first-hour readings. The shaded area represents where the readings are so numerous that they cannot be shown separately on this scale.

index gives a quantitative measurement of the cause underlying varying sedimentation-rates (although in arbitrary units, it is true); whereas the one-hour reading is the measurement of an effect which, as will be shown presently, bears no simple relationship to the cause. To use a simple analogy, the sedimentin index is the temperature of an oven, and the one-hour reading is the degree to which the cakes are cooked. There is a large range of temperature variation below the one at which the dough shows the slightest response, and another large range above the one which chars it completely. A glance at fig. 2 will explain what I mean. In it I have plotted the sedimentin index of some 700 samples of blood against their first-hour readings, and through their midst I have described a mean curve as far as I dare. First, there is a great deal of scatter fairly uniformly distributed about the mean curve from its origin to its loose end at 2·0 units. Considerable variations in the first-hour readings may not mean any corresponding variation in the sedimentin index. For instance, 1·0 unit of sedimentin may concur with any first-hour reading between 1·25 and 4 mm., 1·5 units with 9–15 mm., and 2·0 units with 45–55 mm.

## CAUSES OF SCATTER

There are two main causes of scatter: variations in temperature and variations in delay. Had all these tests been performed at exactly the same room temperature the scatter would have been much smaller. In a cold room the clumping process is slower than in a warm room; the period of maximal velocity therefore is reached later, and so the first-hour reading is smaller. The maximal velocity, on the

other hand, is unaffected by changes in room temperature. Delay between withdrawing the blood from the vein and setting it up in its column causes a much increased first-hour reading, for during this delay the corpuscles are aggregating into clumps, and, when the tube is finally set up, the maximal velocity is reached earlier.

This was brought home to me very forcibly when one of my patients, who, two days after showing his usual one-hour reading of 30 mm., went up to London for a consultation. A sedimentation test was performed and gave a reading of 46 mm. in an hour. On his return two days later it again showed its usual 30 mm. On investigation I found that in London the blood was withdrawn in a west-end consulting-room and transported through the streets to a hospital pathological department, where possibly it had to wait its turn. By the time it was put up in its tube the fully grown clumps were ready to sediment at their maximal velocity from the start. A test carried out in these circumstances is not only valueless, but also dangerously misleading. Yet, had the maximal velocity (and hence the sedimentin index) been determined, it would have been found identical with those recorded at the sanatorium two days before and two days after the jaunt.

### SIGNIFICANCE OF THE MEAN CURVE

Assuming that the tests are all carried out with uniform technique and in uniform conditions, it will be seen from the mean-curve (fig. 2) that considerable variations in a low sedimentin index make but little difference to the one-hour reading—e.g., an increase from 0·6 to 1·0 unit increases the one-hour reading from 2 mm. to 3 mm.—whereas the same variation at higher concentrations makes the one-hour reading leap upwards—e.g., an increase from 1·6 to 2·0 units increases the one-hour reading from 15½ mm. to 52 mm.). This would account for the apparent anomaly that, when a healthy control (with a very low sedimentin index) develops a mild catarrhal infection, his one-hour reading is unaffected or at most increased by a millimetre or two ; whereas, when a consumptive (already with a high sedimentin index) catches a similar cold, his first-hour reading rockets upwards, to the dismay and secret misgivings of his medical attendants, who fear lest it may have "brought on a relapse."

My mean curve fizzles out at a point corresponding to 2·0 units (and 52 mm. in the first hour), because after that point the scatter becomes hopelessly wild. In that neighbourhood "packing" begins to affect the one-hour reading in a highly irresponsible manner, and all correlation is lost. No one-hour reading of more than 60 mm. is of any value, except to indicate that "the patient is pretty ill," and no variations in a series of these higher readings bear any sort of quantitative relationship to variations in the disease processes. A one-hour reading of 111 mm. in a 200 mm. tube may be caused equally well by sedimentin index of 2·30 or 2·665.

### PRACTICAL APPLICATIONS

*Diagnosis of health.*—What is a "normal" first-hour reading ? No authorities seem to agree on this point. Most writers say that anything over 8 mm. is abnormal, but some bid as high as 10 mm. for a male and 12 mm. for a female. (By the way, why do a few women show an exalted blood-sedimentation rate during their menses, whereas most women are entirely unaffected ?) My personal opinion is that it is extremely dangerous to exonerate any blood on the evidence of the first-hour reading, even when it is as low as 2 mm., for that figure may correspond with any sedimentin index between 0·3 and 0·9 unit. In my series of controls (healthy porters and wrongly convicted suspects) the sedimentin index has invariably been less than 0·5 unit, although on occasion the first-hour reading has been as high as 2½ mm. On the other hand, no sanatorium patient who is ambulant, fit, and on the eve of returning to work, and no ex-patient who has come up for an overhaul after having remained in good health and at work for a year, has ever shown so low a sedimentin index as 0·5 unit, although his first-hour reading may have been in the neighbourhood of 1 mm. So constant have been these findings that, whenever the local medical board refers a would-be recruit with an equivocal history and a puzzling radiogram for my opinion, I have no hesitation in saying of him, if his sedimentin index be below 0·5 unit : "This man has no active tuberculosis and has had none, at any rate, for the past twelve months."

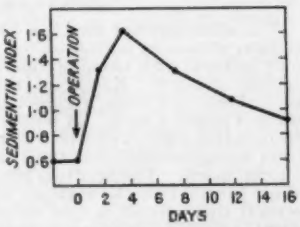



FIG. 3—Sedimentin index in a patient who underwent an operation for extrapleural pneumothorax, at which the parietal pleura was found to be too firmly adherent to the chest wall ; so the operation was abandoned without any trauma to the diseased lung.

A low sedimentin index is only useful in diagnosing good health ; the converse is not true. Any destruction of tissue will cause the sedimentin index to be raised to some extent until complete repair is effected. As has been stated above, a mild catarrhal infection will cause a transitory rise. Pregnancy invariably increases the index. The trauma from a surgical operation may raise the sedimentin index by 0·7 unit on the second day, 1·0 unit on the fourth day ; after which it slowly returns to its original figure by the end of a month or six weeks (fig. 3).

*Assessment of progress.*—Variations in a series of monthly determinations of the sedimentin index are valuable data concerning the patient's progress and are far more trustworthy than variations in the first-hour reading. In pulmonary tuberculosis an increasing sedimentin index is often the earliest tangible evidence of deterioration in a patient's condition ; exacerbations of signs, symptoms, and radiological shadows may not appear until two or three weeks later. Meanwhile one has been warned and is on one's guard. A slow sustained increase in the sedimentin index suggests deterioration in the lung disease. Involvement of the pleura invariably brings about an abrupt heightening of the sedimentin index. In artificial-pneumothorax cases this may take place before the patient experiences any symptoms and while radiologically the artificial-pneumothorax cavity is still dry. The index is particularly useful in the case of patients who are severely infected and whose indices are more than 2·0 units and in the case of convalescents whose indices are below 1·5 units. Above and below these limits, as has been shown above, the one-hour reading may be grotesquely misleading.

*Assessment of results of treatment.*—The sedimentin index being a quantitative measure, lends itself to averages ; obviously to ascertain the average of several patients' one-hour readings is mathematically unsound. In fact, if two bloods (of the same blood-group) are mixed in equal proportions, the sedimentin index of the mixture will be the mean of the two individual sedimentin indices, whereas the resultant first-hour reading will not bear any ascertainable relationship to the separate first-hour readings. The efficacy of any treatment can be assessed by comparing the average in the sedimentin index improvement shown by the treated patients with that of the controls over the same period of time, as in the following example :

Recently we have been treating patients at Mundesley Sanatorium with insulin and a high-carbohydrate diet. They were unselected cases except for the fact that they were all losing weight or not regaining lost weight ; hence it is perfectly fair to take as controls all the other patients

in the sanatorium not so treated. The treated patients gain on an average 4·42 lb. of body-weight a month, compared with the controls' average of 1·344 lb. a month. They also seem to improve quicker than the controls. Their average improvement in sedimentin index is 0·078 unit a month, compared with 0·05 unit a month in the controls. Although these figures have not been subjected to the known formal analysis, they seem definitely to denote a causal relationship.

### TECHNIQUE

The anticoagulant used is a 3·8 per cent. solution of sodium citrate in normal saline ; this solution is not only isotonic with blood plasma but also has the same specific gravity. Excess of this sterile solution is sucked into a 2 c.cm. syringe, the barrel of which is washed round with it. A needle is then fitted and all the solution ejected except 0·4 c.cm. Blood is drawn from an antecubital vein until the piston reaches the 2 c.cm. mark. The needle is withdrawn and a bubble of air sucked into the syringe, which is now inverted several times to allow free mixing of the blood and citrate solution. The mixture is ejected into a watch glass and sucked up into a 200 mm. Westergren tube within three or four minutes of withdrawal from the vein in the patient's room, and the exact time is noted. From now onwards the amount of fall every five or ten minutes is noted. The series of figures so obtained is plotted on a time-distance graph. The steepest part of the curve so obtained is produced in both directions, and from it the maximal velocity is calculated in mm. per 100 minutes. The logarithm of this figure is the sedimentin index.

For this estimation 200 mm. tubes are vastly to be preferred to those of 100 mm. or 50 mm. height, because the more rapidly sedimenting bloods in short columns have no time between the periods of agglutination and packing in which to attain their maximum velocity: the straight part (A–B fig. 1) is missing from the curves, which are thus diphasic in shape and give no clue as to what the maximum velocity might have been.

### SUMMARY

The sedimentin index is the measurement in arbitrary units of those products of tissue destruction which when present in blood plasma cause an increase rate of erythrocyte sedimentation. It is equal to the logarithm of the maximum velocity of sedimentation expressed in millimetres per hundred minutes.

The sedimentin index is claimed to be of greater value than the orthodox one-hour Westergren reading in the diagnosis and management of cases of pulmonary tuberculosis.

# MEDICAL SOCIETIES

## ROYAL SOCIETY OF MEDICINE

### SECTION OF PSYCHIATRY

AT a meeting of this section on June 11, with Prof. F. L. GOLLA, the president, in the chair, the rôle of

**Observation Units**

in local authorities' mental health services was discussed.

Dr. E. N. BUTLER said that at St. Francis Hospital, Dulwich, many of the cases received reached the hospital through relieving officers and police. They included not only new admissions of psychoses, but former voluntary patients at mental hospitals who had while still unrecovered exercised their rights to depart, mental defectives displaying antisocial conduct, and epileptics. The usual procedure on admission was the three-day order, and in many cases the stay of the patient in hospital was extended by a fourteen-day order. During this period routine investigation, physical, psychological and social, took place, and in suitable cases, particularly those where the question of voluntary status arose, the services of a visiting consultant were sought. The needs of London were peculiar, and amongst other factors which rendered the continuation of observation units desirable was the fact that the demand on mental hospital accommodation exceeded the available vacancies. If the observation unit is to be abolished the alternative is direct admission to a mental hospital or to the admission villa of a mental hospital. It was urged that admission to a mental hospital should not take place without the fullest possible investigation, and this could not be achieved at a single examination. To enable this investigation to take place the unit should be associated with a general hospital, the services of specialists of all kinds should be rapidly available, and there should be a closer connexion between observation units, mental hospitals and teaching schools. More use should be made of the unique material of observation units for teaching and research, but treatment should not be undertaken except in a few clear-cut conditions.

Certification should only be resorted to in the last instance. Episodic disorders could readily be managed through their brief courses in an observation unit. Great care should be taken to avoid the certification of cases with remediable organic factors—e.g., operable cerebral tumour—although behaviour would often be the guiding principle. Bromide intoxication and disordered conduct arising from indulgence in the cruder forms of alcohol are common complications on admission.

Dr. Butler deplored the use of drugs to secure quiescence and held the use of the padded room where necessary, as well as the toleration of a certain amount of noise to be preferable.

Dr. IAN SKOTTOWE, while recognising that there might be problems which were peculiar to London, cited examples of 15 boroughs and counties in which the average number of mental-hospital admissions through public-assistance institutions was as low as 12 per cent. He urged that if this represented the residue of cases of such difficulty that preliminary observation was necessary, the services of mental-hospital physicians should be made available in a consultative capacity so that quick clinical decisions might replace the cumbersome and more costly alternative of preliminary and sometimes prolonged observation. The neuroses were best dealt with as outpatients ; as for the psychoses, a delay in the provision of mental-hospital treatment was a denial of treatment, because full and adequate treatment could only be provided by the ordinary mental hospital. Investigation was treatment, and the two were inseparable partners. Wholesale routine investigations which might upset the sensitive early case should not be embarked upon except as part of a carefully planned scheme of treatment from the outset. There did not seem any reason why these should not take place at the mental hospital, but it was admitted that the mental hospitals must continue to improve their medical and architectural standards so that no reasonable exception could be taken to the admission into them of even the most sensitive case, and the facilities for treatment should be capable of dealing with any case in the psychiatric field. He regretted that special hospitals such as the Maudsley were excluded from the discussion. He thought it was possible to make a case for the pure research type of unit associated with a teaching hospital which would receive specially selected cases, but the utility of such units was strictly limited because cases of gross conduct disorder must be excluded, and they could not, therefore, be used as routine filters for all new psychiatric cases. He thought that the conditions in the admission unit of the modern mental hospital, even with the use of prolonged narcosis,

were preferable to those which Dr. Butler had described as existing in an observation unit.

Mr. R. H. CURTIS, chief officer of the L.C.C. mental hospitals department, approved of the development of observation units for London because the specialisation of the mental hospitals under the L.C.C. resulted in a tendency for a particular type of case to be sent to a particular hospital, and also because of the lack of mental-hospital beds. Endeavours were being made to secure liaison between the observation units and the mental hospitals by seconding medical officers from the mental hospitals for duty in observation units, and by providing the services of senior members of mental-hospital staffs as consultants at the observation units. There might be circumstances in the provinces which point to the need for a closer liaison between the reception unit and the mental hospital proper, but the special needs of London did not point in that direction. Suitable nurses for observation units were difficult to obtain.

Dr. LETITIA FAIRFIELD said she agreed and disagreed with all that had been said already, and took a mid-position. Dr. Skottowe had not appreciated the difficulties of London, and Dr. Butler had not fully appreciated the value of early mental-hospital treatment. In the past the condition of observation wards had been incredible. There had been 19 of them of 6 beds and upwards in London (the number was now reduced to 5 observation units) and at one time they had been a generation behind the other medical work of the old guardians. She recalled that doctors have limited statutory powers, and reminded the meeting of the important position of the magistrate who had the right of calling to his aid any medical man. While many magistrates did this, it was impracticable for home consultative services to be rendered universal in London. There had been a general policy that psychotics should not be sent to clinics for early treatment, which should be reserved for those of less disordered conduct. All mental hospitals were not as good as Dr. Skottowe made out. Due regard should be had to the antagonistic public attitude towards certification. Certification should not take place if treatment by any other means was possible. She hoped observation wards would be retained and improved and brought into the main-stream of psychiatry.

Dr. J. B. S. LEWIS said that observation wards were essential for London, but recalled cases of patients who on admission to the mental hospital stated that they preferred the conditions there to those from which they had come. He deplored the subterfuges sometimes employed in taking patients to mental hospitals.

Dr. T. P. REES said that after hearing what had been said he thought one might consider abolishing all mental hospitals and treating all patients in observation wards!

Dr. A. A. W. PETRIE summing up from the chair (after the departure of Professor Golla), said the key to the situation was the prejudice which existed against mental hospitals. The reason for the prejudice was the mixing of acute and chronic cases. He would like to see observation wards spread in the direction of the continental and American psychopathic hospitals, but he would like to make available the services of those who know the work, so that mental-hospital staffs did not simply become the custodians of the chronic cases and thereby themselves deteriorate. He would like to see big centres associated with university clinics for early cases, organised on a regional basis with the closest possible liaison with laboratory and other research facilities. One of the troubles with such hospitals would be that the patients could not be kept long enough. He said that a B.M.A. report was shortly to be published on the subject. He thought admission units of mental hospitals might be situated half to one mile away from the main building, and that they should have the closest liaison with the regional psychopathic hospital.

Dr. BUTLER in his reply thought it was unjustifiable to deprecate the conditions in observation units, as they were being improved. He still deplored certification without adequate time for investigation. He thought observation units would be very useful for teaching, because the cases there were as seen by the general practitioner. He recognised the importance of nursing and the need for doubly trained staff. He, too, deplored subterfuge in taking the patients to a mental hospital.

# REVIEWS OF BOOKS

### Surgery of the Hand

By MARC ISELIN, M.D., surgeon to the American Hospital, Paris. London: J. and A. Churchill. 1940. Pp. 348. 21*s*.

THE French edition of this book was commended in these columns last year (*Lancet*, 1939, **2**. 885) and it is pleasing to see it translated into English, for it is one of the best of the books on this important subject. The first chapters are taken up with a study of wounds, and Dr. Iselin clearly points out that only a strict attention to the care of wounds will reduce the number of infections. No minor operation is sufficient to deal with a lacerated hand, but only a properly staged and carefully carried out débridement, with suture reserved for ideal cases. He recognises the value of immediate skin grafting and placing the hand in the position of function from the start. He never uses straight splints. He explains the treatment of wounds complicated by fractures and makes some important observations on the use of toxin and anatoxin in the prevention of tetanus, on the treatment of foreign bodies, and on trophic and painful lesions. He does not advise suturing damaged tendons at once. He discusses the different varieties of infections, with special attention to bone and joint lesions, and describes some excellent incisions for tendon-sheath infections. The final section deals with closed fractures and dislocations, and there is a particularly useful chapter on assessment of incapacity. Altogether the book is a mine of practical information.

### Soldier's Heart and Effort Syndrome

(2nd ed.) By Sir THOMAS LEWIS, F.R.S. London: Shaw and Sons. 1940. Pp. 103. 8*s*. 6*d*.

THE unsolved problem of the effort syndrome is once more with us and, unless the Services are to be depleted of men through unnecessary invaliding and the country to be involved in expense on account of avoidable pensions, the modern generation of medical officers must be fully acquainted with its practical aspects. A new edition of Sir Thomas Lewis's little book is therefore doubly welcome. Written with the clarity and conviction which we have come to expect from the director of clinical research at University College Hospital, and based almost entirely upon his own experience at Colchester and Hampstead during the last war, it presents a vivid picture of the syndrome, its diagnosis and its treatment. The book has also immediate value as a guide to the detection of heart disease and the final chapter on medical reports on discharged soldiers outlines the difficulties in assessing disability due to heart disease. No doubt the psychiatrist will be far from satisfied with what little is said about the ætiology of the syndrome. Wisely,

for the purpose of a manual such as this, Lewis restricts himself to a discussion of the main precipitating and associated factors. The space devoted to "heart strain" is evidence of the archaic views on this subject still widely held. Here and there brevity may mislead. It is a pity that the importance of scoliosis in causing displacement of the apex-beat has not been stressed and aortic incompetence should be diagnosed long before it has reached the stage of causing a water-hammer pulse. Hypertension in relation to the diagnosis of heart disease is discussed without mention of diastolic pressure. But these omissions do not detract appreciably from the value of a book which should be in the hands of members of recruiting boards, and of every medical officer in the Services and connected with the Ministry of Pensions.

**Introduction to Biochemistry**

(2nd ed.) By W. R. FEARON, Sc.D., M.B., F.I.C., fellow of Trinity College, Dublin. London: William Heinemann. 1940. Pp. 475. 17*s.* 6*d.*

THIS textbook has been thoroughly revised with special additions to the sections on solutions and colloidal systems, steroids, pigments, tissue respiration and internal environment. The book is divided into two parts, the first of 62 pages on elements and inorganic compounds and the second of almost 400 pages on organic compounds. In part 1 a difficult and dry subject is made interesting, and the author has succeeded in collecting together material widely scattered and difficult of access, such as the biology of calcium, iron, potassium, sodium and copper. In part 2 the text adheres to the orthodox presentation of carbohydrates, proteins and lipides. Chapters on vitamins, alimentary digestion and intermediate metabolism follow. In the section on excretion the chemical analysis of urine is fully discussed but the less accurate method of urea estimation by the hypobromite method is described in detail, while only mention is made of the decomposition by urease. Hormones are fully dealt with, but the last chapter on blood and tissue fluid would be improved by fuller treatment. The book as a whole, however, will give the student an excellent introduction to its subject, it is packed with information, up to date, and very readable.

**Le débit cardiaque: études expérimentales et cliniques**

By JEAN LEQUIME, assistant in the University of Brussels. Paris: Masson et Cie. 1940. Pp. 223. $0.90.

UNDER the inspiring leadership of Govaerts and Heymans the Belgian school of physiology has added a great deal to our knowledge of the circulatory system both in health and disease. This monograph is a typical product of the school—a record of personal observations carefully carried out and reported and correlated with the relevant literature. Dr. Lequime prefers the acetylene method of Grollman to any of the many modifications of the original Fick method, because of its simplicity and greater accuracy. The conditions in which he has investigated the cardiac output include certain congenital lesions of the heart, hyper- and hypo-thyroidism, hypertension, paroxysmal tachycardia, auricular flutter and fibrillation, heart-block and congestive heart failure. There is also an interesting report of the alterations in cardiac output that follow the ingestion of water or normal saline, either of which in healthy subjects increase the output irrespective of whether diuresis occurs or not. Dr. Lequime suggests that the demonstration of a lowered partial pressure of $CO_2$ in the venous blood in the pulmonary circulation is of value in the clinical diagnosis of such congenital lesions of the heart as an interventricular septal defect or a patent ductus arteriosus.

**Manual for Diabetic Patients**

By W. D. SANSUM, M.D., chief of the staff of the Sansum Clinic, Santa Barbara, California; A. E. KOEHLER, M.D., member of the staff of the clinic; and RUTH BOWDEN, B.S., dietitian of the clinic. London: Macmillan and Co. Pp. 227. 17*s.*

MOST diabetic clinics of any magnitude produce a manual for their patients, and now Dr. Sansum and his colleagues have followed the fashion. Dr. Sansum was the first to break away from low-carbohydrate, high-fat diets to the more liberal ones relatively generous in carbohydrate that are now widely used, at least for insulin cases. It is therefore interesting to see whether some years' experience has led him to modify his views. He prefers to call his diets not high-carbohydrate but adequate-carbohydrate diets. He does not seem to have increased them to the very high level of some other workers, for those he sets out here contain 150–300 grammes of carbohydrate per day, with an average of 200 g. Fat is not greatly restricted, some 100 g. of fat and a similar amount of protein being given, so that the supplies of calories are liberal and under-nutrition is avoided. Dr. Sansum has therefore hardly modified his original diets as years have gone on, and he claims that his patients are well satisfied with them and maintain good general health. In other respects the book covers the usual ground of diabetic primers adequately and clearly. The metabolism of foodstuffs and insulin treatment are included as well as diet, and the urine tests are admirably demonstrated in coloured plates.

**Dental Mechanics for Students**

By J. OSBORNE, L.D.S. Birm., lecturer and demonstrator in dental prosthetics, University of Sheffield. London: John Bale. 1940. Pp. 253. 12*s.* 6*d.*

MUCH patient labour has been usefully expended on this book, which should give the dental student a concise introduction to his subject during his first two years' work, and the practitioner a valuable reference book. The purpose of the book is mainly "mechanical," so that some mention must be made of crowns and bridges, but the caveat regarding dead teeth is not sufficiently emphatic. Nothing is so discouraging to the student as the subsequent discovery that former methods have to be unlearned or discarded, and today informed medical and dental opinion abhors dead teeth. The central consideration governing all dental devices and treatment is the general health of the patient. The final chapter on splints for fracture is not comprehensive enough. In war or peace it is an important subject of stimulating interest to students. The treatment of cleft palate outlined seems out of date and surprisingly despondent. The clear illustrations, so vital to a work of this kind, leave nothing to be desired.

**Fisiopatología del Hepato-Colédoco-Colangiografía Operatoria**

By PABLO L. MIRIZZI, professor of clinical surgery in the faculty of Medicine of Cordoba. Buenos Aires: El Ateneo. Pp. 282.

THE investigation of the biliary apparatus by immediate cholangiography was first brought before the profession by Professor Mirizzi at the Argentine Congress of Surgery in 1931. This work is largely an anatomico-functional study based on the observations which the author has made by this method in his clinic in Cordoba.

Operative cholangiography consists of slowly inject-

ing a few cubic centimetres of Lipiodol into either the gall-bladder, the cystic duct or the common duct while these structures are exposed at operation. Radiograms are then taken on the operating table, quickly developed, and studied right away. With suitable apparatus, including a special operating table of Mirizzi's own design, and proper organisation, only ten minutes, it is stated, need be added to the operating time, but for correct and rapid work a trained team is essential. The great practical value of the method appears to be in the detection of pathological conditions of the common or hepatic ducts which are not accessible to palpation, but it has also enabled Mirizzi to study that troublesome group of cases in which reoperation has been necessary after cholecystectomy. These investigations have led him to the conclusion that painful sequelæ, if not due to overlooked or recurrent stones, are probably the result of distension of the biliary tree caused by a functional or anatomical obstruction of the lower third of the common duct. This conclusion prompted a close study of the neuromuscular control of the biliary ducts and incidentally has resulted in the coining of new terms such as "spastic sphincteritis" and "Odditis." Functional disturbances will not explain all the sequelæ that are met with, and we find descriptions of "stenosing pancreatitis" as well as the admission that calculi can cause fibrous strictures. As a result of his studies the author suggests that cholecystitis is always complicated by some pathological condition of the common duct, which may be either an anatomical change or a functional imbalance. In his studies of the control of the biliary tree Mirizzi shows that he is firmly convinced of the reality not only of the sphincter of Oddi but of similar mechanisms which control the cystic duct and the common hepatic duct. In a chapter on the anomalies of the biliary passages he depicts some which are certainly not usually recognised but which were demonstrated by cholangiography. The last chapter brings out the errors which may arise in carrying out the method by references to cases under Mirizzi's own care.

# PUBLIC HEALTH

### London School-children getting Healthier

ONE of the last reports issued by Sir Frederick Menzies[1] showed the striking change that has taken place in the physique of London school-children in the last quarter of a century. In 1938 they were on the average 2 in. taller and 7½–8 lb. heavier than in 1905–12. Though social surveys in London and elsewhere have revealed the difficulties of the wage-earner in adequately maintaining a family of more than three children,[2] there is no doubt that London children are materially better clothed, housed and fed than their parents. Martin,[3] using figures given by the L.C.C. and the Registrar-General, has tried to measure the consequent improvement in child health. The task is not so easy as it seems, for changing definitions and standards of diagnosis often complicate the picture. For instance, the rise in the proportion of school entrants found to be in need of treatment for various defects may well be due to a more stringent supervision to-day and a different standard in the conditions held to need attention. The improvement in survival-rates is, however, clear-cut. In 1901–10, of each 100 London children born 76 males and 78 females survived to the age of fifteen; in 1930–32 the corresponding figures were 88 and 90. Mortality, too, has declined most in the poorer boroughs, so that the undesirable contrasts that still remain are on a decidedly lower scale than in the days before the last war. The bulk of the conditions that need attention are, it seems, defective teeth and defects of the nose and throat. Only a little more than half the children entering school are recorded as having sound teeth, and more detailed observations suggest that this is an overstatement. There has been little change in this figure between 1911–14 and 1930–35, except in older children, whose teeth have distinctly improved. A fifth of the entries have defects of the nose and throat, and again there is little improvement at this stage of life though decided progress at ages eight and twelve. Similar improvement is noted in the vision of the school population and there has been a decreasing incidence in defects of the heart and lungs and in rickets. In 1911–14 the latter was noted in 3 per cent. of the boys and in 1·6 per cent. of the girls entering school, against 0·9 and 0·5 per cent. in 1930–35. The proportion of children described as clean at medical inspection has risen from 80 to 97 per cent., while the average number of fresh cases of ringworm per year has fallen from 3770 in 1914–16 to 247 in 1933–36. On the other hand, the incidence of scabies has not responded to the measures taken against it and appears to have risen considerably. Road accidents form a serious offset to the successful efforts made to reduce sickness and disability and to produce a healthy citizen, for the number of children thus killed or injured is almost 2½ times as many as thirty years ago. The scale can be judged by the figures for the Metropolitan Police District (a larger area than the L.C.C., of course) in which, in the five years 1930–34, 1264 children under fifteen were killed and over 53,000 injured. An increase in the more serious heart impairments sufficient to incapacitate children from attending ordinary school, and in rheumatism as a cause of chronic invalidity, may be due only to changing standards of observation and care. In spite of such difficulties of interpretation, these figures, brought usefully together, generally confirm quantitatively what common observation would suggest qualitatively—namely, that London's children are getting healthier.

1. See *Lancet*, May 4, 1940, p. 841.
2. Family Allowances, London, 1940.
3. Martin, W. J. *Ann. Eugen.* April, 1940, p. 18.

### Points from Annual Reports

Dr. E. E. Marcus Milligan in his school medical report for *Glossop* for 1939 compares the incidence of defects per 1000 children discovered in a routine inspection there with the incidence for England and Wales, taken from Sir Arthur McNalty's Health of the School Child for 1938. The comparison shows departures from general findings which seem to be explicable only by differences in standards. Thus, 36 per 1000 children in Glossop are considered to require treatment for defective sight, in England and Wales 74. In Glossop 8 children per 1000 required treatment for throat and nose diseases, in England and Wales 67. On the other hand, organic heart disease requiring treatment is twice, defective speech four times, and nervous disease two and a half times as frequent in Glossop as in the country as a whole.

Dr. Milligan also discusses the value of functional tests in estimating nutrition. Two of the tests he uses are: pull as measured by the dynamometer, and time in seconds during which the child can hang from a horizontal bar. Dr. Milligan considers that for boys the pull should be at least 1·7 times the body-weight. He gives the records of 193 boys from which it appears that 16 fell below this level. This test, which is widely used, has the advantage that it is not influenced by age but its value in assessment is uncertain. The horizontal bar test gives irregular results which are somewhat curious. In Dr. Milligan's series the time varied between 55 and 240 sec. This test is comparable with the breath-holding test which was one of the first endurance tests used and, like it, is probably much influenced by training. We agree with Dr. Milligan that functional tests are valuable

for estimating condition though their sensitiveness to temporary trivial interferences with health makes their interpretation difficult. The only factor in the assessment of nutrition which agrees with clinical assessment is weight over height, but the agreement is more apparent than real.

*Norfolk* is a purely agricultural county, and, apart from Norwich which is outside the administrative county, contains but one town of any size—King's Lynn with 23,538 inhabitants. Though the fourth largest county in area it is one of the most sparsely populated, having but one person to four acres. Between the census of 1931 and mid-1938 the population increased by 6677, which is not far from the excess of births over deaths, so the population is now about stationary. For centuries Norfolk has been famous for the longevity of its inhabitants, and though statistics do not fully support its claim, it is a most healthy county. In 1938 its birth-rate was 14·93, crude death-rate 11·65, infantile mortality 39·08 and maternal mortality 1·98. In that year 619 deaths were caused by cancer and 138 by tuberculosis. Of the 3793 deaths during the year, 1552 were of persons aged 75 and above. Of the 2445 deaths of persons over 65 years of age—two-thirds of all deaths—383 were caused by cancer and only 12 by tuberculosis, whereas of the 1348 deaths in persons under 65 years of age 236 were caused by cancer and 126 by tuberculosis. During the five years 1934–38 there were 61 notifications of ophthalmia neonatorum, but no impairment of vision resulted therefrom. In 1938 four deaths were attributed to syphilis, ten to general paralysis and tabes, and four to aneurysm, all over 45 years of age, except two of the nervous disease group in the age period 15–25. On the blind register there are 615 names, only 17 of which are of persons under 21 years of age and only one under five years of age. But 96 out of 615 had become blind before they were 20 years old. During 1938 the venereal-disease clinics dealt with 55 new cases of syphilis and 95 cases of gonorrhœa. These facts suggest that the prevalence of venereal disease in Norfolk is low and declining and gives one explanation of the favourable health record of the county. The population in mid-1938 was 325,580.

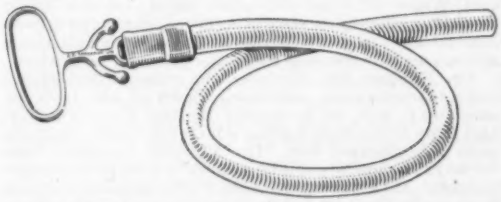
The report for *Derbyshire* by Dr. W. M. Ash was the first school report for a county for 1939 to be published. Particular interest attaches to the school medical work of Derbyshire because formerly it had the highest tonsils and adenoids removal-rate in the country but in 1939 it had one of the lowest. In 1930 the number of operations performed upon Derbyshire school-children was 4058; in 1939 it was 90. Parts of Derbyshire are receiving authorities under the evacuation scheme, but the county council was not the receiving authority, so what Dr. Ash says about the cleanliness of the received children is as free from bias as possible. The received children came from the county boroughs of Birmingham, Manchester and Derby and their standard of freedom from nits and vermin was far below that of the children of the receiving households. The evacuees numbered about 10,500 and of these 1302 were reported to have had nits and 479 to be actually verminous. As in most reception areas, there was no great difficulty in getting the children clean, but Dr. Ash asks the pertinent question—why if we could get them clean could they not have been got clean in the towns from which they were evacuated? He questions the reality of the teaching of hygiene in elementary schools. All the children's parents of today and in many cases their grandparents have been under a system of education which claims to put health and cleanliness as its primary function. Judging from results the system, especially in the great towns, is a failure.

# NEW INVENTIONS

## TOURNIQUET FOR ALL PURPOSES

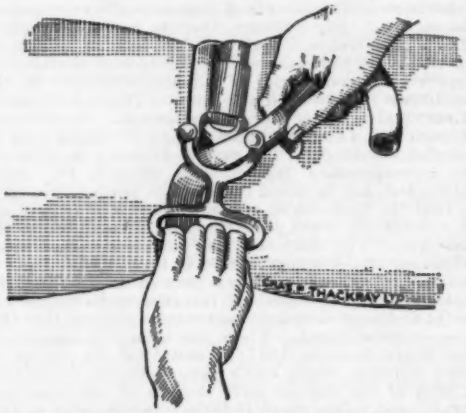
THE anchor type of tourniquet known as Samway's pattern depends for its efficiency on the elasticity of the rubber tubing, which, after it has been fixed round the limb, is secured to the wings of an anchor-shaped metal holder. The rubber tubing used is often too thin or too hard, thus causing unnecessary injury to the tissues. The worst feature in the single Samway, however, is the difficulty of holding the wings of the anchor till the rubber is fixed. Similarly, in the double anchor pattern the wings are too small to admit two fingers comfortably, and at the same time to provide a sufficient grip while the rubber tubing is being stretched and fixed.

In an attempt to overcome these difficulties I have designed a new tourniquet. It has a cork-screw handle large enough to admit four fingers, fitted



to a single Samway's anchor tourniquet the wings of which have been slightly lengthened, with $\frac{11}{16}$ in. diameter soft rubber tubing.

In fixing the tourniquet the rubber tubing should first be applied to the wing of the anchor distal to whichever hand is used to fix the rubber in the tourniquet. The fixing hand should be crossed over to grasp the free end of the tubing, which is then pulled up and then down into the wings of the anchor,




any additional manipulation to tighten the tourniquet being carried out by the handle during this process. Owing to the softness of the tubing it lies flat on the limb when fixed.

This tourniquet can be applied easily and rapidly because of the leverage obtained through the grip of the handle. It is seldom necessary to pass the tubing round the limb more than once, so that the likelihood of injuring the limb is much reduced. The handle of the tourniquet also facilitates its removal, particularly during an operation where sterilised sheets, mackintoshes and so on are covering the injured limb.

The instrument has been made for me by Messrs. Chas. F. Thackray Ltd., 10, Park Street, Leeds, 1, who have registered the design (No. 838091).

L. DOUGAL CALLANDER, M.D. Edin.

# IN ENGLAND NOW

*A running commentary from our Peripatetic Correspondents*

WHEN war came last September and a sort of overwhelming migratory urge seized many people, compelling them to get into flocks, to assume strange plumage, to be busy in preparation for fight or flight, it did not spare me. Torn by it from the steadied ways of peace, I found I could not get into the services, so I went to sea in the Merchant Navy née Mercantile Marine, and have sojourned there very pleasantly for the last eight months. During that time my ship has brought back over a quarter of a million dead sheep, many thousand tons of priceless butter and much else besides, and a band of young men from the Dominions who have come home to fight for the cradle of their race as instinctively as one raises one's arm to ward off a blow—a glorious band of happy, humorous, tolerant warriors who make the Knights of the Round Table look anæmic psychopaths. My main concern has been for my own crew, two or three hundred fibres, making a shred, in that life-line that connects this country with her food-supply; a group of ordinary British folk, moulded by their sea life; a neglected body of men enjoying a new popularity because the public has rediscovered they are essential to the maintenance of its belly-girth. Well, what of them? They are ordinary men, but they are being subjected to no ordinary strain, and one ventures to prophesy that this is going to increase. Shuttered port-holes and foul air at night, darkened decks, double watches, quick turn-rounds in port, these among many other things are straining these invaluable sons of ours. The almost cloistered calm of the convoy, the regularity of the run through troubled waters, the punctual delivery of your daily bread, are not attained without penance.

What can we do for them? A hell of a lot. It is hard to criticise the Mercantile Marine management in generalisations, for there is no uniformity; there are good companies and bad companies, and some of the good ones are bad in parts. But all the crews' quarters could be vastly improved; they are always much worse than even third-class passenger accommodation. Feeding could be bettered; in many ships the food is over-caloried and under-vitaminised. Why in the name of Demos on a passenger ship should fruit and fresh greenstuff be looked upon as a necessity for the passenger and an unheard-of luxury for the crew? And why when the ship is in port for a time should the crew not be fed on fresh food? Just now merchant seamen are being deservedly well paid, but man does not live by bread alone, even wholemeal bread. Much more might be done for their recreation—books, games, places to play them in. The Board of Trade has been a niggardly Victorian guardian to these men, imperfectly insisting on a bare minimum. Its knowledge of vitamins is culled from Captain Cook and it has not yet heard of sulphonamide. Take heed, O ye who sit in high places, for these men will shortly be your saviours.

* * *

Going out last February in a crowded ship we had quite a lot of infectious diseases on board, an ordinary "sangfroid," a streptococcal sore throat, and the real genuine filter-passing flu. With impotent detachment I watched their passage from cabin-mate to cabin-mate, from table to table, from bridge-four to bridge-four. But the curious thing was this: most people got all three, but not at the same time—they would get one after the other, very often with a few days' freedom in between. Are we to suppose that these performers on our tissues will accommodate themselves to each other, form an orchestra, and give us next winter the devil's symphony as they did in the pandemic of 1918?

Another infectious disease we had was rubella. Four independent cases moved among their susceptible fellow passengers during their infectious period and did not come to me until they were obviously maculate. I prophesied an epidemic, and the Captain, who loathed taking it, seized the opportunity to cancel church service. We were running south and crossed the tropics during the time the secondary cases should have been incubating. In fact there were only two, both atypical: one a cabin contact who had the adenitis without any spots, the other my hospital attendant, who got the adenitis severely, had a fine crop of spots round his pudic girdle, the only part of him that was not sunburnt, and consequently looked like Mowgli in a tiger skin. I take it the explanation of our not getting a secondary wave is that these viruses are extraordinarily susceptible to change of temperature; I'm told plant viruses are too. Not that rubella doesn't flourish in the tropics—they had a bad outbreak in Norfolk Island. It must be the change of temperature. I wonder if this carcinoma refrigerating treatment depends on that change too.

* * *

Gustave came to us from Norway, with a piece of shrapnel in his lung and a hæmothorax. He was all in, and when a few hours later I explained to him that I must give him a prick with a needle in the chest he started to whimper like a baby:

"Faut pas me faire de mal, faut pas me faire de mal."

"Rien qu'une petite piqûre, mon vieux, tu ne sentiras rien de plus."

"Faut pas me faire de mal, faut pas me faire de mal." But as soon as it was all over, he suddenly stopped whimpering, and in a brave voice he said, "Merci, docteur." A couple of nights' sleep made a world of difference, and it was time to repeat the paracentesis. In civil life Gustave was a theatre orderly in a hospital, and he wanted to know just what was the damage to his lung. Would he get better? Yes? Very well, then, one could go ahead.

"Faut guérir aussitôt que possible. Alors, il faut souffrir pour guérir."

As he winced at the introduction of the anæsthetising needle, he said quietly, almost as if to himself, "Il faut des hommes en France, vous savez; faut guérir, faut souffrir pour guérir."

Marcel, a swarthy little fellow from the Mediterranean littoral, also came to us from the snows of Norway. He was a type you might well meet in the more squalid quarters of Marseilles; but now he had a large sucking wound of the chest, with a heavily infected hæmothorax. At first he reminded me of a wounded animal, who might snarl painfully at anyone who threatened to come near and touch him; but he was so tired and at the end of his tether that his suspicion showed only in his eyes—large puzzled eyes, seemingly distrustful of friend and enemy alike. Then he would slip back into semi-unconsciousness, moaning from time to time, "Maman, maman," and sometimes "J'ai soif." Poor little Marcel, crying out in pain "I thirst"; nowadays they drive the pieces of iron into the pierced flesh with all the ingenuity of twenty more centuries of scientific achievement. It was a week ago that he was admitted to hospital, and he is improving. He looks at me gravely nowadays and says, "Ça va un petit peu mieux"; but he has not yet managed a smile for any of us.

* * *

It is curious that railway companies should now be obliterating the names of their stations in honour of our parachute guests, when passengers have been complaining for years that they were illegible. Signposts are a different thing, for they have lately become really informative. A letter in the *Times* suggests that our secret weapon against the parachutist is the inability of any English rural, however côoperative, to give clear topographical instructions. But in relying on these natural advantages we are surely missing an opportunity for ingenuity. Should

not our police stations, for example, be conspicuously labelled "Bierhalle"? Why not some placards at each barracks saying, "You may leave your parachute here"? What about "Auskunftbureau" or "Man spricht deutsch" at the headquarters of the L.D.V.? Our charwoman, however, would rely on roadside stalls bearing assorted sausages liberally filled with rat-poison.

* * *

I have been making hay while the sun shines—literally, I mean—and a very satisfying occupation it is. Turning hay with a "pick" or raking it into heaps provides exercise of just the right degree of strenuousness for a hot day. If suitably clad, in a pair of slippers, bathing trunks and a panama hat, one sweats gently and continuously without ever becoming wringing wet or exhausted. Moreover, haymaking engenders a thirst that the townsman might envy. This year we have had not only sun but also a light breeze and, as my gardener says, the hay makes itself. When rick-building starts is the psychological moment at which to recollect an urgent appointment. The heavy job of hoisting hay should be left to others less busy than the doctor, unless, of course, he is a skilled builder of ricks, in which case he can stand aloft deftly arranging the hay handed up to him by the poor serfs below.

* * *

"One for sorrow, two for mirth——" There are too many magpies about this year. For weeks now I have been encountering daily a motley procession of single birds and have been at some pains to salute them all. The other day, for the first time this year, I saw a pair and felt all the better for it. When I reached home I learnt that Italy had entered the war. Yesterday, when driving along a lane I noticed a pair of peewits screaming overhead as they wheeled drunkenly to and fro. Then, on the road in front of me, I espied their brood of fledglings quietly sunning themselves and refusing to be intimidated by the approach of my car. As they would not make way for me I had to stop, get out and lift them into the hedge.

* * *

My first companion in parashooting was a sardonic cowman. "Dear mother," he kept repeating, "I'm cold. You would take a job without any pay—that's what my wife said. When I get home at two o'clock I'll wake her up! Let's move on a bit. Here, hold me rifle while I climb the fence, I don't want to tear me new coat. . . . I shall have to get another job soon. Up at five every day and no holidays. But a change is as good as a holiday; I've only been here two months."

The next night on duty I was out with the commandant's butler, a travelled man. "My present wife's a Swiss, but I buried my late wife in Yonkers." So we compared memories of America, and the combined nostalgia of Rockefeller Fellowship and millionaire's butlerdom floated over the misty vale. "Not really a military job this, sir," he said as we parted, "more of a night watchman's." On the way home across the dewy fields the world was glorious; the chickens were delighted to be let out so early, and the garden was green and lovely in the early sun. One had the impression that God was in his Heaven, and all well with the world. Not so an hour and a half later, at the red-eyed furred-tongued awakening, stretching of weary muscles, scraping of stubbly chin, blare of radio news.

My third mate said: "Children are such *frightful* snobs. I heard a boy at school ask my ten-year-old what his father was. 'Oh, he's a farmer,' said Philip. 'At least, he was a soldier, and then a tea planter, and now he's a farmer. *And* we had our own polo ponies.'"

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The Military Cross has been awarded to Lieut. J. G. Lord, R.A.M.C. When one of our anti-tank guns was in action near his aid post engaging advancing enemy tanks, he attended to each casualty at the gun position as it occurred under heavy fire.

## WITH THE B.E.F.

MEDICUS, M.P., IN FRANCE

THE B.E.F. in France suffered just in the same way as we did in Great Britain from the influenza and german measles epidemics during last winter. They were for the most part in comfortable quarters and their conditions as to hospitalisation and treatment were probably better than those in some of the less well-equipped or organised places in this country. But after the winter the total sickness was small and before the German offensive casualties from battle in a large part of the B.E.F. were nil. But there were other casualties. These were the results of motor, often motor-cycle, accidents and of football. Those two causes will have filled a good many pages of casualty returns.

Illnesses were not very numerous. There were the usual acute troubles, such as appendicitis, and some cases of men placed by medical boards in a higher category than their condition justified and having to be returned to home depôts. Cerebrospinal fever claimed some victims but it was definitely not related to overcrowding. The infection appears to have been brought from Great Britain and the distribution of French cases who had contracted the disease supported this presumption. Whether cerebrospinal fever will increase among the refugees remains to be seen, but the congestion in many areas is certainly great. The course of the cerebrospinal epidemic was quite definite and had four periods. In the first period there were some cases of the fulminating type and some which were sent to French hospitals. The case-mortality reached 16·3 per cent. The next group of cases of about the same total number were milder in type and the case-mortality was 3·3 per cent. The third group, much smaller in total number, had a case-mortality of 3 per cent. The best lot of all, a very small group, had a case-mortality of nil. The total cases were under 400. All were treated with M. & B. 693.

Up to the time of the German offensive there were no other serious infections at all. Dysentery and enteric disorders were negligible. Skin infections, if not negligible, were very few compared with those in the last war and the duration of treatment was also less. There were a few cases of meningococcal septicæmia of very mild type with slight rise of temperature which cleared up at once with M. & B. 693. An active bacteriological look-out was kept for this disease of which the symptoms were headache but no special feeling of illness, with spots on the trunk, limbs and soles of the feet.

Only one case of tetanus was recorded—a man injured in the face by abrasions caused by the explosion of a tin of petrol. He was sent to a C.C.S. on the day of the accident and discharged fit ten days later from a base hospital in France. Two days after discharge he was readmitted to hospital with tetanus and was treated with intravenous injections of tetanus antitoxin. This man was one of the few who had not been immunised with tetanus toxoid and at the time of the accident he was not given an A.T.S. injection. Nevertheless he recovered and was duly discharged to duty.

This B.E.F., whose retreat and evacuation from Dunkirk have made a splendid record for all time, were men of fine physique—a considerable proportion of them were militiamen—and it may be as much due to their physical fitness as to chemotherapy that their wounds have not gone septic as they did in the last war.

THE LANCET

*LONDON: SATURDAY, JUNE 29, 1940*

## SPARING THE WORKER AND SPEEDING THE WORK

GIVEN the machines and the material all the rest that matters about output is human. The Minister of Labour, choosing the simplest and most effective way of sparing his workers, has decided that the machines shall never be idle but that the men shall relieve each other in such a way that their hours will be reduced to something like peace-time level. In addition, a relief crew, working at a different machine daily, will be able to release the normal crew of each machine for a periodical day of rest. This can only be done by drafting in extra labour. He plans, too, that juvenile workers shall return at once to the statutory five-day week of 44–48 hours, but that they shall be relieved for two days a week by women who will thus get a preliminary training in factory work which will prove valuable as increasing numbers are drafted into industry. Any increased cost of labour would be offset by keeping the machines running for a seven-day week and thus reducing overhead expenses.

A factory and welfare advisory board has been set up to consider welfare questions both inside and outside the factories and is enlisting all works doctors in the country into a national service, thus giving them a new status in the works and making them an accepted part of the management. To apply our knowledge of the functions of the human body at work is clearly part of the management of labour, and it is in the interest of industry to take medicine into full partnership. Only by providing a reasonable standard of health supervision in factories can the management tackle the problems of industrial fatigue and ill-health at their onset, or prevent them from arising. The Industrial Health Research Board for years has been collecting data on these problems, and it is encouraging to know that the board is represented on the advisory body to the Minister. Thanks to its research, the physiologist has shown that work may be made lighter by the adoption of easy posture and correct methods. The experimental psychologist has well-founded suggestions for better arrangement of work to suit the reactions of the average worker, for the avoidance of boredom at repetitive work, for the detection of the "accident prone" and for better methods of vocational selection and training. Enlightened organisations employing large numbers of workers have found that it pays them to appoint a whole-time medical staff, not only for the effect these services have in keeping down the figures of sickness absence, but also for their value to management in other ways. Without infringing the prerogatives of the general practitioners, on whose panels the workers are distributed, an efficient medical service can greatly benefit the health—and therefore the producing power—of factory workers. Problems of lighting and ventilation are already being considered by the advisory board. Billeting, communal feeding and the provision of day nurseries come under the Ministry of Health and the Ministry of Food, and will have to be organised through the departments concerned. Billeting is a ticklish problem where labour is suddenly being increased; the local authorities are being asked to coöperate and to appeal to local organisations for the use of church or concert halls which might well be used for the purpose. Women working in the factories will not be able to carry on the ordinary duties of the housewife, so plans are being made to arrange communal feeding for the workers in areas outside the factories; possibly fleets of omnibuses will be used to transport them to and from their meals. Mobile canteens may also be of service. Day nurseries for the children of women at work will have to be established, again well outside the factory area so that they do not become a target, and the local authorities have been asked to plan accordingly. Local labour-supply committees will be set up in growing areas—twenty are already being formed—consisting of a chief labour supply officer and two assistants, the local factory inspector and a chief welfare officer, who will be an official of the Ministry of Labour. The chief welfare officer will be responsible for coördinating local activities involving labour supply and welfare outside the factory. Much of the work will fall on the local organisations, which are on the spot and know the needs and facilities of the district. It is suggested that in each district a subcommittee of representatives of local organisations should be formed which would be attached to the local labour supply committee to advise and help the chief welfare officer. To link up local work with the work of the ministries it is proposed that a central consultative council should be formed, under the chairmanship of Lady CYNTHIA COLVILLE, to provide a channel through which the various local organisations can approach the minister and through which he can seek their advice. The organisation of welfare inside the factories can be achieved through the Government departments, but outside the factories it will be coördinated by the consultative council.

Insurance doctors in the affected areas will, of course, continue their services to factory workers on their panels, but the great influx of labour may prove too much even for the stoutest-hearted now that assistants are difficult to come by. No plan has so far been formulated by the ministry for dealing with this problem. Air-raid precautions, too, in these industrial areas will have to be expanded to meet the growing need. In factories which normally employ a full-time medical officer it has so far been the practice to place air-raid precautions under his control.

# BOLUS COLIC

For so long an organ the small intestine takes up surprisingly little space in the textbooks of medicine. The stomach and the first part of the duodenum above it, and the colon below, with their cancers and their ulcers and their all-too-frequent functional disturbances, seem to cause vastly more ill health than the intervening two or three yards (six or seven in the dead) of tubing. This is fortunate for the physician, since the stomach and the colon are more accessible to his rubber tubes and scopes and other means of study; and fortunate for the layman, for both the doctors and the advertisers leave him blissfully ignorant of the most important stretch of his alimentary tract; he buys no jejunum powders, submits to no massage of his ileum, and develops no neurosis in respect of his small intestine. Even when that organ is driven by unsuitable content or external restraint to cry out with pain he complains of a "stomach-ache," like the patients Mr. Latchmore quotes on another page, or at most of the richer and more accurate "belly-ache." Nevertheless, the small intestine deserves more consideration than the doctor is inclined to give it. A few years ago Sir Edmund Spriggs made it the subject of a clinical lecture,[1] in which he drew special attention to those cases of chronic partial small-intestine obstruction due to postoperative or postinflammatory bands and adhesions. Such cases are difficult to recognise clinically. They often complain of intermittent mid-abdominal colicky pains, culminating in borborygmi, sometimes associated with nausea and vomiting, and in the severer cases with abdominal distension. A history of that kind, following an abdominal operation or an old tuberculous peritonitis, strongly suggests that the small intestine is contending against mechanical constraint; but only radiology, and careful and skilled radiology at that, can establish the diagnosis by demonstrating that some coil of the small intestine is fixed in the abdomen and distended. Too often vague continued dragging pain in some part of the abdomen is attributed to "adhesions," on insufficient evidence. Too often, also, a further operation is undertaken to relieve symptoms by dividing such adhesions. This can hardly be justifiable unless the evidence, preferably radiological, of partial obstruction is clear, and even then it is by no means certain to bring relief. Spriggs has shown how medical management, including a soft milky diet, high in fat content but free from coarse indigestible residue, will bring comfort to many patients; it should certainly be fully tried before surgical attack is considered.

It is not only in patients with constricting adhesions, or with organic narrowings of the intestine such as were left by the old Murphy's button anastomosis, that coarse food will cause obstructive symptoms. Acute obstruction can occur in the normal intestine, if coarse enough indigestible material is swallowed, unmixed with softer pabulum. In 1932 Elliot[2] reviewed 36 examples of this, due to a wide variety of ingesta. Mr. Latchmore adds 7 cases of his own, and suggests the name "bolus colic" for them. They were due to the eating of coco-nut, monkey-nuts, orange or the like, usually without other food and after a period of fasting. Recurring colicky pains in the middle of the abdomen, with vomiting, were the chief symptoms, lasting sometimes for days. Some abdominal distension was found, and one patient at least was distinctly ill-looking, with a pulse-rate of 124. Mr. Latchmore does not mention fever in any of them. Tenderness, and even a palpable mass, in the right iliac fossa were often found, suggesting acute appendicitis, but peritonitic rigidity of the abdominal wall was lacking. In the 4 cases operated on the offending food was found compressed into a firm mass, arrested usually in the lowermost part of the ileum a short distance from the cæcum. The intestine was dilated above it and collapsed below. This is the situation in which it is common for a large gall-stone which has entered the intestine through a cholecyst-duodenal fistula to become impacted. Alvarez[3] has remarked that at this point the peristaltic "rush waves," which are largely responsible for propelling the contents of the small intestine, are prone to die out, and that the last foot or two of the ileum is normally much more sluggish than the rest. In this region too, but not elsewhere in the small intestine, the radiologist often sees compact masses of barium temporarily held up. The site of impaction, then, of boluses of undigested coarse food may be determined not by any anatomical narrowing but by physiological factors: in the lowest ileum the maximum absorption of water from the intestinal content has already occurred, and the propulsive activity of the intestinal wall is at its minimum.

The practical considerations that Mr. Latchmore stresses are two. First, when colic, vomiting and abdominal distension suggest acute small intestine obstruction find out whether the patient has eaten nuts, oranges or the like on an empty stomach. Secondly, when such is the case, be cautious over giving castor oil, but try to loosen and disintegrate the mass by giving large amounts of fluid by mouth; if these are not retained and the patient becomes dehydrated and ill operation becomes necessary. To these we should add a recommendation to empty the colon by an enema, which Spriggs has observed will often relieve the distress of a distended small bowel; and a query as to whether spinal anæsthesia, by interrupting the sympathetic nerve impulses to the small intestine, might allow it to overcome its own difficulty. Mr. Latchmore goes on to suggest that the familiar "green-apple colic" may be bolus colic of a minor degree, due to the packing of pieces of apple into a formidable mass rather than to chemical or mechanical irritation of the mucosa by discrete pieces. If so it becomes a question whether copious fluids by mouth, perhaps with some magnesium sulphate and an enema, might not be better treatment for this condition than the traditional castor oil.

1. *Lpool med.-chir. J.* 1937, **45**, 159.
2. Elliot, A. H. *Amer. J. med. Sci.* 1932, **184**, 85.
3. Alvarez, W. C. An Introduction to Gastro-enterology. London: William Heinemann (Medical Books). 1940. Pp. 778. 42s.

## A TALK WITH THE PATIENT

AMONG the subtle distinctions which the psychiatrist is forced to make, none is more obtrusive than that between form and content. He must constantly bear in mind the difference between what the patient says and how he says it. WEBER [1] has pointed out that undue attention to the patient's actual words may paradoxically bring the psychiatrist to doubt, and even to reverse, an initial diagnosis which was correct. It may turn out, for example, that what appeared to be a delusion is in fact a perfectly justifiable belief, but the manner in which the patient brings it forward and defends it remains essentially delusional. If only the content of the conversation is considered, as may happen after one has become accustomed to the patient's behaviour and style, a mistake may be made that will be avoided if at the initial interview the psychiatrist relies on his total impression. The distinction is of fundamental importance when methods of investigation in psycho-analysis are in question. The technique of psycho-analysis has from the beginning emphasised content. It began indeed as a protest against that formal psychiatry and neurology which aimed at eliminating the incidental personal features which are embodied in the content of speech and behaviour. FREUD has related how in his early studies of aphasia he felt that the formal disturbance was all he could hope to elucidate; his subsequent life-work was to falsify that pessimism. The most striking modern instance of research into form in psychiatry is that of the phenomenologists, who in Heidelberg a decade ago made minute studies of the abstracted disturbance of thought in schizophrenia. Their method, which was based on the patient's introspection and account of his subjective experiences—that is, on the content of certain of his utterances—shows vividly how subtle can be the distinction between form and content, how intimate the connexion between them.

It is not only in psychiatry that this distinction needs to be recognised; ultimately it is the distinction between the symptoms of a disease and the complaints of a sick individual. In psychiatry, however, it is inescapable and obvious. Psychiatry, as KRAEPELIN fashioned it, paid attention to the disease process, with its formal manifestations. What was important was not that John Doe believed that his wife was committing adultery with Richard Roe but that he had a delusion of jealousy; everything peculiar to him, to his wife and this situation was to be regarded as evidence for that cardinal fact of morbid jealousy, rather than as the essence of the fact, without which it was an empty abstract statement for a textbook. The psychiatry of the present day walks precariously along the tightrope between preoccupation with form and preoccupation with content—often exhibited as a preoccupation with diagnosis on the one side and with interpretation and understanding on the other. Clearly both are necessary. The ordering of data so complex as those with which psychiatry deals demands that there should be a measure of abstraction and an emphasis upon the form of any anomaly. The variety of human behaviour and circumstances demands also that too rigid a scheme should be avoided and that the richness of individual content should receive full consideration. Throughout medicine we must study diseases as well as treat and study sick people. And it is not possible to consider content for long without being driven to consider form, just as form without regard to content becomes a sterile concept, which is as much as to say that no disease ever runs "true to type" and no patient ever shows all the formal phenomena recited in the textbook.

1. Weber, A. *Schweiz. med. Wschr.* May 18, 1940, p. 429.

# ANNOTATIONS

### ROYAL MEDICAL BENEVOLENT FUND

DURING nine months of war the fund has been hard put to it to carry on its work. Subscriptions and donations have fallen by £735, but owing to many urgent appeals, the committee had to spend £558 in excess of income. Those whom the fund assists often live within such a narrow margin that the mere cost of blackout materials has been a heavy drain and in many cases friends and relatives who had previously given help have been too hard pressed to continue it. To reduce expenses the committee has rented cheaper quarters and released three members out of a staff of five for national service. The chairman, Sir D'Arcy Power, asks subscribers to increase their donations, if only by a small amount. Last week we published a letter from Lady Hutchison asking, on behalf of the ladies' guild, help in money, clothing and personal service for widows and children dependent on the fund. She suggested that if every woman connected with the profession would subscribe—and the minimum subscription is 2*s.* 6*d.*—all demands could be met. The new address of the fund is 1, Balliol House, Manor Fields, London, S.W.15.

### PLACENTAL BLOOD FOR TRANSFUSION

ATTENTION has again been drawn to the use of placental blood for transfusion by Meredith Heyl,[1] who describes his experience with a placental blood bank at the Kensington Hospital for Women in Philadelphia. His conclusions agree with those of Halbrecht,[2] whose series in Palestine was larger than Heyl's. The method of collection, preservation and storage was described in these columns last year by Howkins and Brewer,[3] who were sceptical of the scope of placental blood and drew attention to a 22 per cent. contamination-rate in their own series, using a more searching bacteriological control than other workers who have investigated this question. Heyl found severe reactions in 3 out of 32 transfusions given. Although he scouts the possibility of his blood bank containing infected bottles, these reactions, consisting of rigors and high fever, are somewhat disconcerting. His method of controlling infection is to culture every tenth flask at random—had he cultured the other nine

1. Heyl, W. M. *Amer. J. Obstet. Gynec.* April, 1940, p. 679.
2. Halbrecht, J. *Lancet*, 1939, 1, 202.
3. Howkins, J. and Brewer, H. F. *Ibid*, p. 132.

he might have spared his three patients the unpleasant consequences which they suffered. The catchment area for placental blood, the recently delivered birth-canal, is and always must be a bacteriologically dirty place, no matter what aseptic and antiseptic precautions are taken. It is therefore reasonable to demand that before this potentially infected blood is used it should be submitted to close scrutiny. Furthermore, the yield of blood is small, averaging between 50 and 100 c.cm., so that the issue becomes one of much ado about little. This is not the time to neglect any possible new source of a vital war commodity, but when we have at our disposal a safer and many times more plentiful supply from the voluntary adult donor, it is obvious where our choice must lie.

## WHY DO CELLS DIVIDE?

So much is known about how a cell divides that our ignorance of why it divides is apt to be overlooked. There is probably no single answer that applies to every type of cell. Even if it is agreed that when it has attained a certain size a cell divides and multiplies, one must inquire whether external or internal causes make it swell to this size, and whether the causes act by stimulation or by removal of some restraint. In approaching this question from a theoretical standpoint most minds unconsciously assume that, whether delivered from within or without, the cell requires a prod. Nevertheless, in their attitude towards the cause of multiplication of tumour cells a great many authorities imply, if they do not actually state, that all cells would continually go on dividing if they were not subject to some restraint. Either attitude is reasonable but it is as well to be clear about one's assumptions. Explants of tumour tissue begin to grow in vitro after a very short or even no latent period, and Doljanski and Hoffmann[1] regard this as evidence of the unique position of tumour tissue with regard to the growth-inhibiting mechanism of the organism. No better evidence of the failure of the body to inhibit growth can possibly be obtained than that afforded by the behaviour of the tumour and its metastases in their natural abode. This failure, however, tells one nothing of the cause of the perpetual division of the tumour cell. The fact that growth starts without delay in tissue culture makes the untutored suspect that these cells carry a ready-made stimulus within them, whereas normal and embryonic cells must wait for one to be engendered, and that this positive stimulus is as little restrained by the culture medium as it is by the body.

## BACTERICIDAL ORGANISMS FROM SOIL

THE American College of Physicians has bestowed the Johns Phillips Memorial Award on Dr. René J. Dubos for his work on bactericidal organisms. Dubos began by looking for an organism which would attack the polysaccharide capsule of type III pneumococci, the constitution of the capsule varying with the type of the pneumococcus. Since these polysaccharides resemble the hemicelluloses it seemed most likely that such organisms would be found amongst rotting plant cells. Various kinds of soils, farm manure, leaf mould and composts were examined and the organism was finally run to earth in the cranberry bogs of New Jersey. It was a gram-negative spore-forming rod-shaped bacillus to which the name "Bacillus S III" was given. The organism was very specific, having no action on the polysaccharides of other types of pneumococcus. Dubos then obtained an enzyme also able to decompose the capsular polysaccharide of type III pneumococcus. This he did by growing the organism in a mineral medium in which the sole source of carbon was the polysaccharide; the organism was thus compelled to produce the enzyme before it could utilise the polysaccharide—it was starved into forming the enzyme. Dubos was able to concentrate this enzyme without loss of activity, and the concentrated enzyme protected mice and monkeys against pneumococcus type III, but not against types I or II. In further experiments Dubos treated a sample of mixed earth with suspensions of various living gram-positive cocci for two years, and from this earth he isolated a gram-positive, spore-forming bacillus which was capable of lysing gram-positive cocci. Pneumococci of all types, staphylococci, and $\alpha$, $\beta$ and $\gamma$ hæmolytic streptococci all underwent lysis. Meningococci, gonococci and other gram-negative cocci were not attacked. Autolysis of the susceptible organisms rapidly took place, yielding a soluble factor which was completely separable from the cell detritus. In addition to causing lysis of gram-positive cocci this soluble factor was bactericidal towards the same organisms and inhibited their growth. It was heat labile. By means of acetic acid it could be precipitated between pH 4·2 and 4·4 and redissolution of this precipitate in neutral media gave a solution having the same power of lysis as the original solution. It was possible to concentrate the soluble factor, and this factor protected mice against streptococci and pneumococci of all the types tested (I, II, III, V and VIII). A very concentrated preparation has been called by Dubos "gramacidin." The chemical nature of these substances remains obscure, but Dubos has shown that gramacidin is not a protein. The fact that this soluble factor acts only on gram-positive cocci suggests that its action has something in common with that of Gram's stain. There is clearly a promising field for inquiry here.

## PHYSIOLOGY OF THE ADRENAL CORTEX

THE adrenal cortex is one of the fields for research where the biochemist has been able to direct the efforts of the physiologist and pharmacologist into the most fruitful channels. The successful outcome of the long struggle to relieve cortical insufficiency with extracts was a prelude to theoretical chaos. The importance attributed to the gland in the metabolism of carbohydrate waxed, waned and was finally vindicated. The muscular weakness of Addison's disease was translated into terms of the response of muscles to stimulation. The function of the adrenal in regulating the balance of sodium and potassium ions in the blood was placed beyond all doubt, and other functions in connexion with growth, renal function and resistance to stress were more or less firmly established. Which of these is the real function of the gland? Do all the disturbances that follow its removal spring from a single cause, or does the gland actually perform several functions? So long as the only way of assessing the potency of an extract was by its ability to postpone death these questions could not be answered, but a recent symposium by members of the staff of the Mayo Clinic[1] shows that more precise methods have carried us a long way towards a solution.

Now that some twenty crystalline compounds of similar structure have been prepared as a result of work on extracts of the gland, it has become clear that they exhibit the various types of activity in different degrees. It may be presumed, therefore, that the gland normally produces not one but several hormones. Corticosterone, dehydrocorticosterone, and others which carry an oxygen atom in a certain position in the common molecular framework, are most active in

1. Doljanski, L. and Hoffman, R. S. *Nature*, June 1, 1940, p. 587.

1. Mason, H. L., Sprague, R. G., Wells, B. B., Kendall, E. C., Proc. Staff Meetings Mayo Clin., May 8, 1940, pp. 289–304.

enabling the animal to produce carbohydrate from protein, and in this way maintain the hepatic store of glycogen. The same set of compounds seems responsible for the maintenance of muscular power, though this property has not yet been found associated with an increase in the store of muscle glycogen. The substance desoxycorticosterone, lacking the oxygen atom just mentioned, has little effect in carbohydrate metabolism but a marked action on the salt balance, so much so that it may actually depress the serum potassium to a concentration at which muscular paralysis occurs. An adrenalectomised animal, if not exposed to stress, will survive apparently normally if the action of these two sets of compounds is simulated by providing a diet low in potassium but high in sodium and glucose. Thus the immediate cause of death after adrenalectomy has been traced, even though the compounds concerned may exhibit other physiological activities. There remains an amorphous fraction of the extract, which may be freed from these compounds but which is yet more potent weight for weight in its own way than are they in theirs. It also influences the distribution of inorganic ions and water and appears to be necessary for normal renal function.

It is impossible to say what may be the specific effects of compounds awaiting discovery or investigation. Evidently the minimum necessary for the maintenance of life is now known, but the adrenal probably has other functions, the cessation of which is not necessarily fatal, at all events for a long period. Its association with the gonads has not been deeply probed, for the well-known signs of virilism in women with adrenal tumours may represent a perversion rather than an excess of secretion. The adrenal compounds are closely related chemically to the sex hormones. The relation of the glands to stress is of present interest. It seems certain that resistance to toxic substances, to cold and to oxygen lack is lowered after adrenalectomy even during replacement therapy. Apart from the possibilities of cortical extract, and more particularly the cheaper synthetic hormone, in the treatment of shock,[2] it is tempting to speculate whether adrenal cortical exhaustion has anything to do with the cumulative ill effects of repeated exposure to strain, for instance, the short daily exposure of aeroplane crews to mild degrees of oxygen lack.[3]

## THE SEDIMENTIN INDEX

On another page Dr. George Day describes a modification of the ordinary sedimentation-rate measurements which he calls the "sedimentin index." This index is not merely a figure derived from a special method of measuring the sedimentation rate but is also a measure of the sedimentation-producing substances ("sedimentin") in the blood. The index must obviously be based on experimental observations, so that the evaluation of Day's method must depend on the correctness of his experimental deductions and on the evidence that his index is more informative than the ordinary S.R. figure. Few will have the opportunity of verifying his experimental work, but many will be anxious to apply his results if their practical value can be established, for there can be little question of the need for an improvement on present methods. Those who have used these methods have been impressed by the uniformity between the condition of the patient and the rate of sedimentation. Yet there have been disturbing instances where a patient with, say, a cavity in the lung and tubercle bacilli in the sputum has given a S.R. of only a few millimetres. The ways of measuring the S.R. may be divided into those (such as Westergren's) in which a column of citrated blood is observed for a fixed time and the ratio of plasma to total blood is noted at the end of this time; and those (such as Cutler's) in which the sedimenting blood is observed at short intervals with the object of plotting graphically the relation between the time of sedimentation and the distance through which the cells have fallen. Day's method belongs to the latter class, but he goes a step further than Cutler, who drew his deductions regarding the clinical value of the S.R. only from the general shape of the curve and the amount of sedimentation at the end of the period of observation. Day's index measures the maximum rate of sedimentation during a 2 to 2½ hour period of 10-minute readings. The important experimental features of his technique are, first, that in normal subjects the sedimentin index has not been found to exceed 0·5, whereas in quiescent tuberculous subjects it has not been found as low as 0·5. Secondly, that the sedimentin index, unlike the S.R., is unaffected by temperature changes. Thirdly, that the maximum rate of sedimentation of any blood during a 2 to 2½ hour period is a more reliable measure of the state of the blood as regards sedimentation-producing substances than is the amount of sedimentation in a specified time. And lastly, that the maximum rate of sedimentation of two mixed bloods is the geometrical mean of the maximum rates of sedimentation of the separate bloods. The choice of the actual mathematical form of the index follows from this last observation. The important factor being the maximum rate of sedimentation it is desirable, though not essential, to express this rate by values which can be added, subtracted or divided to obtain a mean. These processes can be applied to the logarithm of the actual maximum rate of sedimentation, though not to the rate itself. The logarithm is therefore used as the index. The actual sedimentin index is thus the logarithm of the number of millimetres of sedimentation which would have occurred in 100 minutes at the maximum rate of sedimentation observed during a 2 to 2½ hour period. If Day's experimental findings are accepted his index clearly has much to commend it, but it will have to face the natural reluctance of workers to change from the method to which they are accustomed.

## £10 WORTH

A correspondent suggests that when a medical board rejects a recruit there is an opportunity, which is now being missed, of making more use of its findings. This man served for four years in the last war and wanted to enlist in the pioneers. At the medical examination he was rejected, but he was not told on what grounds. Another applicant who accompanied him remarked that in civil life this examination would cost ten pounds, and our correspondent says that the King himself could have had no better attention than the board gave him, with four doctors to examine him and a fifth to review their findings. But, he observes, all this scrutiny is wasted. "If the referee doctor had given me a medical certificate detailing my weaknesses and a few words of advice, I should now be getting good medical treatment on specialists' advice; it would have cost the Government nothing and been worth £10 to me." The examiners can hardly be expected to advise rejected men upon treatment—the umpire who gives a batsman out is not encouraged to take him aside and teach him how to deal with that sort of ball another time—but when a rejected man wishes it a report on his condition might well be sent to his own doctor.

2. See *Lancet*, March 23, 1940, pp. 555 and 574.
3. Armstrong, H. G. Principles and Practice of Aviation Medicine, London. 1940.

## DENTAL BOARD FINANCE

At the recent session of the Dental Board of the United Kingdom Mr. E. L. Sheridan returned to the present financial difficulties of the board. Contrary to expectation they had had a number of disciplinary cases to deal with—a costly process as it meant calling a special committee and consulting legal advisors. And in another direction the board was not in a position to control its own expenditure, for even in war-time unqualified practice must be checked in order to safeguard the hardly won position of the registered dental practitioner. Halving the retention fee had brought down the board's income to about half; although these fees, whatever their amount, could hardly be popular they had been on the whole paid more punctually than ever before. A small income, Mr. Sheridan remarked, is no more easy to spend wisely than a large one; the board must cast a critical, if sympathetic, eye on any expansion of grant-aided services. If they erred now on the side of parsimony they might be better able, when peace is restored, to see how any available resources can most fruitfully be applied.

## DEATH IN INFANTILE ECZEMA

Eczema is not generally looked upon as a fatal disease either by doctors or the public, but it has long been known that babies do occasionally die suddenly from it, and Twiston Davies[1] has lately drawn attention to the possibility by reporting three more examples. The reason for these sudden deaths is unexplained, though it seems possible that they have something in common with the deaths from extensive burns. They occur in cases of true infantile eczema during the first year of life, mostly in the spring; overnourished infants are particularly susceptible, and all the reported cases have been in children taken away from their mothers, usually within a few days of admission to hospital. In Davies's cases death appeared to be due to respiratory failure, but no internal cause was found at the autopsy. The danger must be taken as a strong argument against taking infants with extensive eczema away from their mothers.

## VAGINAL THRUSH

Thrush is more than a local affection of the mouth, for it can give rise to epidemics of diarrhœa in infants which, especially when associated with bronchopneumonia, may terminate fatally. The responsible organism, or group of organisms, commonly called *Oïdium albicans*, is a normal inhabitant of the bowel, skin, mouth and vagina, but it may become pathogenic under certain conditions, producing both local and general symptoms and varying in virulence and contagiousness. Liston and Cruickshank[2] have studied a consecutive series of 200 pregnant women with leucorrhœa, in 49 of whom thrush was the cause, as against 80 due to *Trichomonas vaginalis*. The main complaint of the patients with thrush was irritation, and seeing how often pruritus vulvæ brings women of all ages to the doctor this finding assumes real importance, especially since few cases had any visible manifestations of thrush on the skin. The classical manifestations of the skin infection, especially seen in diabetics, are vesiculo-pustules and ulcers with succulent edges and a mucoid discharge, but Liston and Cruickshank did not meet with a single instance of this clinical picture, though there was an erythemato-squamous eruption in one or two cases. The characteristic features of vaginal thrush are a discharge like butter-milk with yellowish-white patches on the vagina or cervix or in the introitus. A few cases in this series could only be diagnosed by examining films stained by Gram's method or with aqueous methylene-blue. The pH of the vaginal secretion in the patients with thrush averaged 4·8. The normal pH is 4·4 and in trichomoniasis it is 5·5, so that a slightly acid reaction is favourable to the growth of *Oïdium albicans* and seems to inhibit trichomonas. In thrush the vaginal epithelial cells are said to be well filled with glycogen, which can be demonstrated by the iodine test. Liston and Cruickshank do not make any suggestions for treatment, but apparently it is not practicable to discourage the organism by making its environment more alkaline, for they say that the reaction of the vaginal secretion is not easily altered for any length of time by the application of acids or alkalis.

1. Twiston Davies, J. H. *Brit. J. Derm.* June, 1940, p. 182.
2. Liston, W. G. and Cruickshank, L. G. *Edinb. med. J.* June, 1940, p. 369.

## EXPENDITURE IN EMERGENCY HOSPITALS

The Minister of Health is anxious to expedite the working of the Emergency Hospitals Scheme by removing some of the causes of delay in obtaining authority for reasonable expenditure. In a circular issued on June 22 the Ministry point out that hospital authorities need not obtain prior approval from the Ministry for non-capital expenditure, and they express the hope that local authorities have now established machinery for dealing promptly with urgent requests from E.M.S. hospitals, and that similar machinery has been set up in voluntary hospitals. Minor adaptations and improvements involving capital expenditure not exceeding £10 can be carried out at the discretion of the hospital authority, but the prior approval of the Ministry is required for major adaptations, except where the need is immediate, when hospitals must take the necessary steps on their own responsibility. Applications for the approval of expenditure, as well as for urgent demands for equipment, should in future be made to senior regional officers of the Ministry at regional headquarters, except in the London sectors where they should still be addressed to Whitehall. Where a hospital is in doubt as to adaptations or equipment required, the senior regional officer will arrange for officers to give advice and approval on the spot.

## COMMITTEE ON THE TREATMENT OF WAR WOUNDS

The Medical Research Council have appointed the following committee, including representatives of the Fighting Services and the Emergency Medical Service, to advise as to the application of the results of research to practice in the treatment of war wounds, and as to the need for new investigations. Sir Cuthbert S. Wallace (chairman), Mr. E. Rock Carling, Mr. C. H. S. Frankau, Prof. F. R. Fraser, Prof. G. E. Gask, Surgeon Rear-Admiral G. Gordon-Taylor, Colonel Sir Charles Gordon-Watson, Sir John C. J. Ledingham, Major-General H. Marrian Perry, Prof. R. S. Pilcher, Prof. J. Paterson Ross and Prof. W. W. C. Topley (secretary), with Dr. F. H. K. Green as assistant secretary.

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Sir George Berry, LL.D., M.B., consulting ophthalmic surgeon to Edinburgh Royal Infirmary and a former M.P. for the Scottish Universities, died at North Berwick on June 18.

We also regret to announce the death, on June 22, of Dr. Phyllis Tookey Kerridge, lecturer in physiology and biochemistry at University College, London.

# SPECIAL ARTICLES

## PHYSICAL TREATMENT

### THE CASE FOR AUTONOMOUS CLINICS

BY R. FORTESCUE FOX, M.D., F.R.C.P.

[From 1914 to 1918 Dr. Fortescue Fox was joint hon. secretary with the late Dr. Campbell McClure of a War Disablement Committee[1] appointed by the section of balneology of the Royal Society of Medicine. This committee's recommendations were published in THE LANCET of March 3, 1917; they drew attention to the value of the skilful use of the whole group of natural and artificial physical remedies for the immediate relief of the milder forms of war disabilities and the more prolonged rehabilitation of those with more serious injuries. They concluded that physical treatment and vocational training are inseparable and that both are essential to the recovery of the disabled man. Dr. Fox, who died last week, wrote this article to recall what the committee was able to achieve in the last war, and in the hope that the lessons might prove useful in our present emergency. —ED. L.]

#### THE PROBLEM

MEMBERS of the War Disablement committee visited many physical treatment centres, at home and abroad, and sent reports to the War Office. Happily the Army Medical Department was represented on the committee and sympathetic to its aims. Two centres impressed the visitors particularly—the Port Villez centre in Normandy for Belgian wounded, and the Corps de Ré-éducation Physique at the Grand Palais in Paris.

Two tasks faced the authorities: to return soldiers to duty as healthy men in the shortest possible time; and to restore to reasonable health and capacity those no longer fit to carry arms. When the wounded were discharged from hospital—and sometimes they were kept there too long for their own good—it was customary, both in this country and abroad, to send them to convalescent camps in the country. Such camps, with a medical clinic and vocational training centre attached, seemed to give seriously disabled men the best chance of recovery; they were stimulated mentally and physically, their damaged limbs were educated afresh, they lived in an encouraging atmosphere and looked forward hopefully to fresh objectives. The committee studied the machinery of this all-round rehabilitation, and devised a technique for the management of medical and surgical cases.

#### REHABILITATION BY VOCATIONAL TRAINING

Many British hospitals introduced vocational training for convalescent patients in the wards. The Belgians divided vocational training into two stages, a preliminary stage in which the patient's interest was won and any natural bent discovered, and a second stage of serious instruction. In England, unfortunately, treatment and training came under two different ministries, and could not be carried out at the same centre, with the result that vocational training was often postponed until it was too late. There was, moreover, a serious shortage of trained personnel.

The committee were convinced that physical treatment and vocational training are inseparable, and both essential to the disabled man. They also saw that a specially trained staff was required; doctors and vocational instructors alike needed special experience in the work.

#### SIMULTANEOUS AND SUCCESSIVE METHODS OF TREATMENT

The common methods of physical treatment are familiar to everybody: massage, radiant heat, electrical treatment, the remedial use of climate and of the natural resources of spas. No single method of treatment can, or should, be advocated for the treatment of war injuries. The best results, the committee found, are obtained by combining different methods or by giving them in series as the needs of the patient demand. This combination was the outstanding feature of the committee's work. Used in this fluid way, physical treatment can be applied successfully in the early stages of an injury to prevent disablement, or later to relieve pain and swelling and to restore damaged function, not only in joints and muscles but in the circulation and—by a sedative effect—in the nervous system. Disappointing results are more commonly due to lack of this combination and to want of training in the therapist than to defects of the methods themselves. Accurate and reliable technique can only be learned by the study of patients under treatment. Large treatment centres, the committee felt, should be obliged to keep standard measurements of function and careful records.

#### A WIDENING SCOPE

It is estimated that more than 50,000 wounded men were treated free of charge at the British spas. Thanks also to the work of members of the committee, a small model clinic for 60–70 officers was opened at the Alexandra Therapeutic Institute in Great Portland Street in 1916, and subsequently taken over by the British Red Cross Society. Here periodical measurements of disability by arthrometers and dynamometers were introduced. A similar but much larger centre was later installed at the Special Surgical Hospital at Shepherd's Bush. Physical departments were also recommended at command depôts and convalescent camps, the first of which was set up at Heaton Park, near Manchester, others being established later at Cardiff, Netley, Tipperary, Bangor and Bellahouston. Though handicapped by lack of technique and personnel, all these departments gave valuable aid to great numbers of war patients. At Shepherd's Bush, an exclusively surgical hospital, 31,181 treatments were given in 1917–18, the first year.

#### NEW METHODS OF THE TIME

At the Alexandra Institute three new ways of using moist heat were devised and tried out. The first of these was the hyperthermal whirlpool bath for arm or leg, in which the water was not merely moving spirally but rose in temperature to the limit of comfortable toleration so that the limb was subjected to a more or less vigorous hyperthermal hydro-massage. The skin became scarlet, owing to the rapid increase in arterial circulation, pain, stiffness and swelling were greatly relieved, and the muscles put into excellent condition for massage and electrical treatment. Since those days various forms of whirlpool bath have been used freely for arthritic joints in the cold stage, and for defective peripheral circulation and spastic hypertension.

The sedative pool was the second method devised. The patient lay in water at a little below blood-heat, and a rippling movement was produced with compressed air. Many cases of disordered action of the heart, shock, nervous irritation and prolonged insomnia were treated successfully in this way. The drowsy patients were lifted from the bath to sleep in an adjoining room before going home.

1. The committee included Sir Lauder Brunton, Dr. S. D. Clippingdale, Dr. William Gordon of Exeter (president of the section), Dr. Tait McKenzie (Canada), Sir Frederick Trylor (president of the Royal College of Physicians and the Royal Society of Medicine), Mr. Wilfred Trotter, Sir Rickman Godlee, Dr. R. Ackerley, Dr. C. W. Buckley, Dr. Lauriston Shaw, Dr. Parkes Weber, Dr. Neville Wood, and Surgeon-General Sir Michael Russell (representing the War Office). Dr. Septimus Sutherland, the chairman, defrayed expenses.

The aeration bath, the third new method, was a brief stimulant for the whole body. The water was broken by air driven through it at high pressure, and the temperature, duration and after-treatment were precisely adjusted to suit the patient. It was a pleasant and invigorating way of treating circulatory defects and nervous fatigue as well as arthritis in middle and later life.

At Shepherd's Bush Dr. C. H. Sonntag made useful studies of the contrast bath—in which hot and cold water alternated—and of passive movement in the warm pool, called the manipulative bath. The paraffin wax bath also proved useful and popular for relieving tension in preparation for movement.

### COMMENTS, 1940

One of the chief handicaps during the last war was the lack of trained personnel. Since that time radiation—luminous, thermal, ultraviolet and infra-red—radium, X-rays, electricity, manipulation and re-educational exercises have been widely and accurately used. Courses of instruction have been made available for nurses, and a diploma is given; systematic training has been given to attendants at spas. As a result, the technical skill of nurses and bath attendants has improved greatly and they are much better qualified to carry out physical treatment than their predecessors of 1914. Sometimes they are better acquainted with the methods than those prescribing them; and intelligent attendants, seeing their patients under treatment day by day, become good judges of favourable and unfavourable reactions which the doctor has no chance to observe. Moreover, since the last war an increasing number of skilled, certificated occupational therapists have qualified. A new order of non-medical physical assistants has come into being, to whom routine measurement and record-keeping can safely be entrusted.

A man whose damaged limb has been functionally re-educated can return to work and thus reduce the national cost in pensions. This applies as much to rheumatism and civil accidents as to war injuries, and the committee was impressed with the value of physical treatment from this point of view.

### RECOMMENDATIONS

As in the last war, thousands of disabled men will be coming home; the full resources of systematic physical treatment should be at their disposal from the start. Delay at this stage will be harmful to men now being disabled. I suggest that:

1. A clinic should be set up in London at which all forms of war disablement can be classified and accurately measured in terms of function; and where the response of the different types of case to a short course of systematic physical treatment can be investigated.

Such a clinic could provide immediate treatment for patients from the metropolitan area with mild disabilities, most of whom could be discharged as fit for work after about six weeks' treatment. It could also serve as a clearing station for large numbers of more seriously disabled men, arriving from the front or referred from hospitals; after a few weeks' observation many of these could be passed on to appropriate centres in the country for treatment and training; those who needed further surgical care could be sent to orthopædic or other hospitals. A third large class, including rheumatic, cardio-vascular and nervous cases, should also be carefully classified and, after preliminary treatment at the clinic, referred to spas or special centres in the country.

2. Central clinics on the same lines should be set up in other large towns.

3. These large central clinics should be furnished with proper appliances for an approved system of combined and successive physical treatment, including local and general baths, both sedative and stimulant. The premises should be sufficiently roomy to accommodate large numbers of wounded and invalided men, and should be properly equipped with wheel-chairs and ample, well-warmed rest rooms.

4. Every clinic should be under expert medical direction, with a trained staff of physical assistants and occupational therapists. An agreed system of mensuration and record-keeping should be used in all of them. Special training for doctors and assistants should be made available at one or more of these central clinics, and opportunities should be given for research.

5. Subsidiary clinics for treatment and vocational training should be set up in country districts, and full use made of existing centres and spas.

6. The subsidiary clinics should not be duplicated or standardised. In many of them few and simple methods of treatment would suffice; the equipment chosen should depend on the types of case to be treated and the local facilities available.

7. All clinics should be under the direction of a central committee in London which would advise and help in organising new clinics and in the choice of methods and technique.

## BUDAPEST

(FROM OUR OWN CORRESPONDENT)

### GAS CONTAMINATION OF FOODSTUFFS

Dr. Albert Telbisz, in a lecture to the Royal Medical Society on the effect of war gases on food, said that in general gases penetrate deeper into foods containing much water, so that these are most easily rendered unsuitable for human consumption. Phosgene, which speedily disintegrates and becomes inactive, at the worst merely spoils the taste of the food. Real danger only lies in the consumption of food contaminated with mustard gas or with mixtures containing arsenic and chloropicrin, which are insoluble in water. The flesh of a recently slaughtered animal takes up much more mustard gas than cooled or frozen meat, and milk, owing to its fat content, may retain the gas in solution for a long time without it decomposing. Mustard gas can penetrate into an apple to a depth of 3–5 mm., but cannot pass through the skin of an orange or lemon. The gas penetrates quickly and deeply into the potato, and the flesh of contaminated apples or potatoes shows sharply delineated brown spots with a characteristic smell.

Gas-proofing methods for foodstuffs, Dr. Telbisz went on, are as yet undeveloped, and absolute safety can only be ensured by forbidding the consumption of contaminated water and destroying contaminated food. Water can be protected by keeping it in covered reservoirs or cisterns, and foods by wrapping them in waterproof paper or Cellophane or enclosing them in a waterproof case. These protective measures should always be adopted, for it is much easier to protect foods than to rid them of absorbed gases. Nevertheless, however careful one is, there may be instances in which food and drinking water has to be freed of gas. For food the simplest and cheapest way is by thorough ventilation, and meat and lard containing phosgene can be decontaminated by this method. If meat has been sprayed with mustard gas its surface should be washed with soda solution and the outer layer should be cut off to a depth of half an inch. Soaking the meat in a 3–5 per cent. solution of permanganate of potash, as has been suggested, is a doubtful way of freeing it from gas. Chlorinated lime or its watery solution is more effective, but this makes the meat smell. Fumigation has not proved effective, and if the whole surface of meat has been covered with liquid mustard gas it must be destroyed. If only the vapour of the gas has reached the meat thorough ventilation will suffice to make it edible.

PROPRIETARY DRUGS FOR WEIGHT REDUCTION

The sale of proprietary drugs for reducing weight, whatever their constituents, is now prohibited in Hungary by a law that came into force on May 1. Manufacturers and dealers have been warned that this regulation will be rigidly enforced in the interest of the public health.

INFLUENCE OF DIET ON URIC-ACID EXCRETION

Dr. Demeter Popa of Oradea, Transylvania, has studied the effect of various diets on uric-acid excretion. He concludes that the laws which govern the excretion of uric acid in healthy people do not apply under pathological conditions. The relationship between the ingestion of nucleoprotein and purin excretion still exists, but is much modified by the retention of purin bodies. The influence of disease quite overshadows that of diet, and Dr. Popa's diet tests gave very inconstant results. In cases of diabetes and obesity there was a definite purin retention, and when the ingestion of nucleoprotein was increased uric-acid excretion either did not rise at all or else its rise was insufficient or delayed. A carefully regulated milk and vegetable diet in such cases not only hindered the accumulation of uric acid but helped in the elimination of uric acid that had previously been retained. All human beings tend to retain uric acid if they take it in excess, so that everyone is predisposed to gout; food too rich in nucleoproteins converts this predisposition into an active pathological process.

# LETTERS TO THE EDITOR

## DEATH IN THE FIRST MONTH AND THE FIRST YEAR

SIR,—Prof. McNeil's articles focus attention on one of our most urgent social problems. There will be general agreement with what he has written, but there are certain aspects of the subject which have perhaps not been sufficiently emphasised. Prof. McNeil would have us concentrate our main effort against the hard core of neonatal death; but I feel that in Scotland, and in some parts of England where the infant mortality-rate is high, our first endeavour should be aimed at reducing the number of infant deaths occurring after the neonatal period. That this is likely to lead to a speedy reduction in the infant mortality-rate in these districts is shown by Prof. McNeil's figures while they also show that the neonatal death-rate presents a much more difficult problem to attack.

Prof. McNeil advocates the multiplication and improvement of our present organisations for infant welfare as the best means of reducing our infant death-rate. But it will be admitted that the primary cause of infant death after the neonatal period lies in bad hygiene—bad housing, ignorance of dietetics and most of all inefficient maternal care. It is against these that the attack should be launched. Improvement of the education of health visitors, child welfare medical officers and family doctors in the art of infant hygiene only touches the fringe of the problem. It is the great mass of parents who must be educated. This is not going to be done by sporadic visits of health visitors or doctors, or by inducing mothers to bring their infants to child welfare centres by offering free milk. The education must begin in the schools so that no mother can plead ignorance as an excuse for the deplorable condition of her children, while legislation should make it possible to penalise those who fail to maintain a reasonable standard of hygiene in their homes.

Without in any way deprecating the extension and improvement of our infant welfare services advocated by Prof. McNeil, I would enter a plea for a greatly extended and improved system of instruction in mothercraft. Let this be driven home by a numerous and efficient corps of social workers. But its foundations should be laid in our schools.

I am, Sir, yours faithfully,

Glasgow. GEOFFREY B. FLEMING.

SIR,—I think most of those who have personal experience will agree in general terms with the wisdom of Prof. McNeil's proposals and will have further suggestions to offer. It has, however, been evident to me for some years that there are certain fundamental problems to be solved before the details of tactics can be put into operation with reasonable hope of success; and I submit that, when international conditions become more normal again, it will be necessary (1) that the medical profession, acting through chosen authorities on the subject, should convince the lay world that further progress is likely to be slow unless much larger financial resources are made available, either from the state or from private sources; and (2) that closer coöperation should be developed between the public-health services and universities, medical schools and voluntary hospitals than exists at present.

Consider, for instance, the training of medical students in pædiatrics. I agree with Prof. McNeil that the course in this subject should be made wider and more practical, especially in those of its branches which are outside the range of general medicine—e.g., neonatal health and disease, prophylaxis in infancy, therapeutics in childhood, and the mental health of children; but to give this fuller training it would be necessary (*a*) to find stipends for the augmented teaching staff needed, because the private practice of pædiatrics will not support more than a few physicians in any one district; (*b*) to utilise the clinical facilities of the public-health services; and (*c*) to make some rearrangements in the medical curriculum.

In regard to (*b*) it may be hoped that public-health authorities will insist that some at least of their child welfare medical officers shall obtain the diploma in child health, because the holders of this diploma have successfully passed through a training which should entitle them to consideration as junior clinical lecturers in a university department of pædiatrics. Rearrangement of the medical curriculum for students is always full of difficulties but if, as I believe, it is fair to hold that the curriculum should offer to each student a thorough and practical training in the duties which general practitioners are commonly called upon to perform, I suggest that the chief clinical subjects set out in order of importance are medicine, obstetrics, pædiatrics and surgery, and the time allocated to the study of each of these subjects should bear a closer relationship to that order than holds at present.

I agree also with Prof. McNeil when he urges that the training of nurses and health visitors should be more thorough from the pædiatric point of view. This, too, will require close collaboration between the various organisations concerned, and also the expenditure of more money than at present.

It may be of interest to those specially concerned with the care of newly born infants to have the following figures from the reports of the Liverpool

Maternity Hospital during the period 1922–38 inclusive:—

| | |
|---|---|
| Live births | 24,905 |
| Stillbirths | 1,998 |
| Deaths of newly born babies | 740 |
| Stillbirth-rate (per 1000 total births) | 74·2 |
| Newly born death-rate (per 1000 live births) | 29·7 |

I am, Sir, yours faithfully,

Liverpool. NORMAN B. CAPON.

## "PROVOCATION" TYPHOID

SIR,—The advisability of T.A.B. inoculation *during* an epidemic of enteric disease is once more attacked in your leader of June 15. The reason given is that "it is not without danger by inducing cases of severe 'provocation' typhoid among persons already incubating the disease." A study, however, of the records of so-called provoked cases shows that they are for the most part inadequately controlled. The fact that illness has followed inoculation is established, the special severity of the disease noted, and then without the evidence afforded by observation of uninoculated contacts and cases the assumption is made that both the infection and its gravity are the result of inoculation. One report only, that of Basten,[1] may suggest that the use of the vaccine has provoked the disease. In the Euskirchen epidemic one case of typhoid had been reported daily for a week before the inoculation; the day following inoculation this number rose to 16, sinking to roughly 1 a day for the next nine days, when the second inoculation was given, and 6 cases were reported on the day following, after which the daily case-rate sank again to 1 a day. How far these figures indicated provocation of the disease or merely a summation of the effects of inoculation malaise and prodromal symptoms accelerating diagnosis it is impossible to say. What was clear, however, was that while 14,343 persons were inoculated and 6905 remained uninoculated there occurred the same number of cases in each group; that is to say, there was double the incidence among the uninoculated and there was no evidence that the disease among the inoculated was either more severe in its course or more fatal in its outcome.

The most adequately controlled observations remain those of Ramsey[2] who demonstrated in an American outbreak that there was no provocation among inoculated contacts but an indication of protection that amounted to certain significance after three doses had been administered. For this reason in America[3] fear of provocation "has not been allowed to have too much weight" and the editorial quoted, referring to the controversy in the English journals after the Croydon epidemic of 1937, hoped the discussion would "for all time allay the fear of people over the 'negative phase' as far as typhoid fever is concerned," and welcomed the "very strong letter from Sir J. C. G. Ledingham who says flatly that he is in complete disagreement with the ideas" of the provocationists.

The animal experiments carried out by me and reported in your issue of Sept. 16, 1939, brought confirmation on these points. In a series of experiments on mice infected with mouse typhoid, and subsequently inoculated with a vaccine prepared from the same organism, no exacerbation of the disease could be observed. Of 216 white mice treated in this way, 28 per cent. were dead at the end of three weeks, while of 120 untreated controls 41 per cent. had died. Since the publication of this paper I have learnt from colleagues in Norway that inoculation during the course of epidemics is constantly performed and no harm observed.

I am, Sir, yours faithfully,

Lister Institute, Elstree, Herts. HARRY SCHÜTZE.

1. Basten, J. *Dtsch. med. Wschr.* 1920, p. 316.
2. Ramsey, G. H. *Amer. J. Hyg.* 1935, **21**, 664.
3. *Amer. J. publ. Hlth.* 1938, **28**, 378.

## FOUADIN IN BILHARZIASIS

SIR,—The Colonial medical report for Southern Rhodesia, summarised in the *Journal of Tropical Medicine and Hygiene* for April 15, 1940, remarks that there is a tendency to employ antimony tartrate in place of Fouadin, and says that the general opinion of the local practitioners is that the relapse rate following a course of fouadin is significantly greater than after tartar emetic. The writer of the report says that in his experience fouadin has given relatively poor results in the treatment of the intestinal form of bilharziasis.

Since the introduction of fouadin for the treatment of bilharziasis little attempt has been made to reach the required total of antimony, reliance being placed rather on the compound itself. Dr. J. B. Christopherson regarded the necessary total dose as gr. 30 of tartar emetic, and this effected the destruction of the bulkier *Schistosomum mansoni* as well as the commoner *S. hæmatobium*. Reliance on physical signs has fostered the custom of administering a far lower total dose of the drug, the quantity of antimony in 45 c.cm. of fouadin being approximately half what is present in gr. 30 of tartar emetic. Investigations reported in the Egyptian ministry of public health report for 1936 have shown that the pyrocatechin constituent of fouadin produces symptoms quite distinct from those due to antimony, and that the compound sometimes gives rise to toxic effects rendering it unwise to employ so large a total as would be equivalent to gr. 30 of tartar emetic. Consideration of these factors will explain why apparent recurrence is sometimes reported where tartar emetic has been replaced by fouadin. There seems, however, to be good reason for the statement that in Anthiomaline the drug is present in such a combination that a smaller total dose suffices at any rate for cases infested with *S. hæmatobium* alone.

I am, Sir, yours faithfully,

Durban, South Africa. F. GORDON CAWSTON.

## A.R.P.: WHERE THE G.P. COMES IN

SIR,—The last paragraph of your leader will have made many an older G.P. think furiously. For years the emergency work of general practice has been diverted from us into the hands of various specialists, and we have been left to exploit the stethoscope, the clinical thermometer and the prescription block. Is it with these that the G.P. "can usefully station himself at the ambulance loading point"? Many of us have had great experience as M.O.'s to V.A.D. detachments and as St. John Ambulance lecturers. Of these no doubt a fair proportion had valuable experience as, for example, anæsthetists in the last war. Most of us, perhaps, have got rusty, but we are still physically and mentally fit and feel that with a fortnight's intensive rubbing-up we could regain all our former efficiency. Why have we not been long ago offered the chance? Has no record been kept anywhere of our war service and our somewhat specialised experience? Why has not some official authority circularised us asking us to discuss these matters with the local M.O.H. or the nearest secretary of the War Emergency Committee? The only official circular I have ever filled in came to me about two years ago and

after filling it in I realised that I had never done anything in my life except "qualify."

The A.R.P. centres, at least in built-up areas, seem to be officered chiefly by men with honours degrees, men with heavy commitments in the way of hospital appointments and extensive practices. Could not some of us have worked with them with a view to deputising for them in case of their disablement by sickness or injury? The members of their units would then at least have had the chance of working under a deputy with whose methods and personality they were familiar. What is going to happen when these highly qualified doctors are wanted simultaneously at their hospitals and at the A.R.P. centres?

Finally—and this question is not original—why have steps not been taken to make every doctor's house, especially when near a warden's post, a completely equipped small dressing station? A competent surgeon of my acquaintance has been asked to form one of a stirrup-pump squad to deal with fires in adjoining houses. That may have been a perfectly proper suggestion, but what amazed my friend was the fact that the warden concerned seemed not in the least interested in the doctor's possible professional value in the warden's post a hundred yards away.

I am, Sir, yours faithfully,

EQUES SIT SEMPER ÆQUUS.

*** The writer is a suburban practitioner, aged 59. He thinks he is expressing the feelings of many other semi-retired doctors who are still vigorous. Surely it is time their services were utilised.—ED. L.

# PARLIAMENT

## ON THE FLOOR OF THE HOUSE

BY MEDIOUS, M.P.

THE vast arena of world-war, looked at from the floor of the House of Commons, takes on a more sombre colour from the tragedy of the surrender of France. Nations like symbolic figures move across the stage and the grim prospect of a Britain fighting as one vast fortress raises its powerful head. Yet the House goes on in dignity to debate the important issues of the time and to plan and prepare for what we have to do. This is a great hour for our country and for the British Empire, and out of the fire splendid things will be born. Now the watchword for the whole nation is to line up to the B.E.F. standards set at Calais and at Dunkirk. That spirit is of the imperishable things of man and it shall prevail.

## FROM THE PRESS GALLERY

### Scottish Health and Hospital Services

IN the House of Commons on June 18 Mr. Ernest Brown, Secretary of State for Scotland, in discussing the progress of the Emergency Hospital Service in Scotland, said that 25,000 casualty beds were now ready and another 6000 or more would be ready within two or three weeks. Some of the Scottish hospitals had already received service sick and wounded from overseas. Special units were being set up in certain hospitals for the treatment of special types of injury. These would include units for brain and thoracic surgery, and for ophthalmic or orthopædic and mental treatment as well as for occupational therapy. In addition they were providing facilities for physiotherapy at all important base hospitals. The value of these special units was very great, both in their positive results and in the consequent economy in personnel and equipment. Instructions were being given to all hospitals that appropriate cases should be transferred as soon as possible to the special unit. Recent appeals had stimulated the flow of nurses to the service. More nurses and nursing auxiliaries would be required for whole-time mobile service anywhere in the country, and women volunteers were needed for work in the wards and kitchens and generally in and about the hospitals. A hospitals advisory committee had been appointed under the chairmanship of Sir John Fraser. A number of eminent physicians and surgeons were giving their services as consultants without payment.

Turning to the general work of the Department of Health in Scotland, Mr. Brown said that despite all interruptions and difficulties, 19,170 houses were built in Scotland in 1939. In all, if they included 5980 houses built by private enterprise, the total output of houses in 1939 suitable for working-class people was 25,150. Of the houses under construction when war began 8676 were completed by March 31 this year. A good deal had been done to improve rural housing. The year 1939 was a healthy one in Scotland. The general death-rate was slightly higher than in 1938—12·9 per 1000 compared with 12·6—but the increase was mainly among the old people and there was a great saving of life among the young. The infant death-rate touched a new low record—69 per 1000. The maternal death-rate was the lowest recorded—4·3 per 1000 total births. In 1939 deaths from pregnancy and childbirth were 390, as compared with 432 in the previous year.

Mr. WOODBURN said there was still a lot of silly and obsolete prejudices among doctors over the question of the control of hospitals by laymen. Because a man had medical skill that did not necessarily mean that he had equal administrative skill. What was needed was coördination and the placing of hospitals so as to avoid carrying patients up and down the country to get to certain hospitals. The key man at air-raid posts was the doctor, yet it had taken him four months to get even second-hand gas masks supplied to some of the doctors in Edinburgh. Even now the doctors had no steel helmets. It was high time that some one was made responsible for seeing that these things were done.

### Food-supplies

In the House of Lords on June 19 Lord WOOLTON, Minister of Food, said that the policy of his department was to secure for this country a sufficient supply of food, either from overseas or through home production, to see that the food produced and imported was suitable for the high strain under which the population was going to live, to arrange for equitable distribution of the scarcer foods and to ensure that the price of food should be such that all sections of the public could buy it. The Ministry of Food was the sole importer of 85–90 per cent. of the food that came into this country and their import programme had been deliberately built up on food values. Total food imports were down by 12 per cent., but imports of calories were only down by 1 per cent. All stocks were adequate, and our stocks of the most essential foodstuffs would last for many weeks even if none came into the country. Always in his mind there had been the possibility of disruption of communications. During the last month there had probably been a greater movement of foodstuffs than ever before. In the last resort he had told the 17 divisional officers, the 1500 local officers, and all the traders that they were to use their own discretion. That, he hoped, would solve the problem of the civilian population whatever happened. With regard to provision for people who have been evacuated to places which were secret, they had stored iron rations which were to be used only in cases of great emergency. In addition they had provided in all the areas round about the large vulnerable centres of population other rations

which would be used in the event of crash evacuations. They had only introduced rationing where supplies were short or where they were vulnerable. The rationing of sugar was a sheer necessity, while the rationing of meat was a precautionary measure. In regard to milk, bread (flour), meat and bacon, the Ministry had asked the Treasury to come to their help in keeping prices down. The average increase in price had been only 8 per cent. Without the subsidy the price would have increased by 30 per cent. He had been trying to ensure that the £60,000,000 a year which the Treasury was spending on subsidising foods should go to the people who most needed it.

## QUESTION TIME

### Health and Welfare in Industry

Mr. JAMES GRIFFITHS asked the Parliamentary Secretary to the Ministry of Labour what measures were being taken, in the factories and workshops under his control, to care for the health and welfare of the young persons employed at these places; and, in particular, the increasing number of young women in employment.—Mr. R. ASSHETON replied: Detailed measures for the health and welfare of persons employed at factories are required under the Factory Acts. These are supplemented to a considerable extent by voluntary action by employers and others. The Minister is developing a special organisation, which includes a central factory and welfare advisory board,[1] for promoting, with the assistance of the factory inspectors and other local officers, further action for the welfare of the employees outside as well as inside the factory.

Mr. DAVID ADAMS asked the President of the Board of Education whether, in view of the heavy increase of the infant mortality-rates in industrial areas during the last war, he would take immediate steps to secure the setting-up of nursery-schools throughout the country.—Mr. H. RAMSBOTHAM replied: The Minister of Health is actively engaged, in consultation with the Minister of Labour, in considering the establishment of day nurseries in areas where large numbers of women are employed on industrial work of national importance. In view of the long hours for which the nurseries would have to be open and the need for providing for children under two years of age as well as those between two and five, the provision of day-nurseries would appear to be more appropriate than that of nursery-schools. It is hoped, however, that it will be practicable to provide some form of occupational training for the older children.

Mr. D. J. B. JOEL asked the Parliamentary Secretary to the Ministry of Food to what extent he was encouraging the provision of communal meals at factories and other places where large numbers of persons were employed, in view of the waste that could be avoided by such schemes.—Mr. BOOTHBY replied: The Minister welcomes the provision of communal meals at factories and other places where there are a large number of persons employed as a means of securing that the best and most economical use of available foodstuffs is made, and he has taken steps to facilitate the allocation of supplies for this purpose.

### Diet of School-children

Mr. ADAMS asked the President of the Board of Education whether, in view of the policy of continuing private billeting, and of the fact that the feeding of children in private billets was one of the factors responsible for the breakdown of private billeting in the recent evacuation, he would arrange that all evacuated school-children should be communally fed by the reception authorities, thus securing to these children an adequate and well-balanced diet.—Mr. RAMSBOTHAM replied: In circular 1484 the Board of Education have already urged local education authorities for reception areas to consider the need for arranging for the communal feeding of evacuated children, and I propose to call their attention again to this matter in connexion with the further evacuation of children from the east coast towns and the metropolitan area. The billeting allowances paid to householders cover the provision of food, and many householders who are able and willing themselves to provide suitable meals for the evacuated children prefer to do so rather than to surrender part of the allowance in return for the provision of communal meals.

Mr. ADAMS asked the Parliamentary Secretary to the Ministry of Food whether, for purposes of meat rationing, school-meals centres of local authorities had been classed as catering establishments; whether he was aware that meat rations for school meals, already inadequate, had been reduced by a substantial percentage under this rationing; and what steps were proposed.—Mr. BOOTHBY replied: The answer to the first part of the question is yes. In regard to the second part, as catering establishments, school-meal centres have been permitted to serve meat meals without the surrender of a coupon being required but, in common with other catering establishments, they have been rationed in their supplies of meat by being limited to 60 per cent. of their normal amount.

### Rations of Interned Civilians

Mr. G. GLEDHILL asked the Secretary of State for War if the various classes of internees were given rations on the civilian scale or whether they received the extra ration allowed to the services.—Mr. R. K. LAW replied: Interned civilians who are rationed in kind are fed on a scale approved by the medical authorities as suitable for the conditions under which they are living. The scale includes meat and sugar in quantities corresponding to the ordinary civilian ration. It does not include butter and bacon.

1. See *Lancet*, June 15, 1940, p. 1092.

## Infectious Disease in England and Wales

DURING THE WEEK ENDED JUNE 8, 1940

*Notifications.*—The following cases of infectious disease were notified during the week: smallpox, 0; scarlet fever, 852; whooping-cough, 608; diphtheria, 701; enteric fever, 59; measles (excluding rubella), 9257; pneumonia (primary or influenzal), 554; puerperal pyrexia, 156; cerebrospinal fever, 220; poliomyelitis, 10; polio-encephalitis, 1; encephalitis lethargica, 3; dysentery, 25; ophthalmia neonatorum, 95. No case of cholera, plague or typhus fever was notified during the week.

The number of civilian and service sick in the Infectious Hospitals of the London County Council on June 7 was 679, made up of: scarlet fever, 138; diphtheria, 139; measles, 14; whooping-cough, 17; enteritis, 49; chicken-pox, 25; erysipelas, 26; mumps, 3; poliomyelitis, 1; dysentery, 2; cerebrospinal fever, 61; puerperal sepsis, 34; enteric fevers, 4; german measles, 14; other diseases (non-infectious), 69; not yet diagnosed, 83.

*Deaths.*—In 126 great towns, including London, there was no death from smallpox, 1 (0) from scarlet fever, 2 (1) from enteric fever, 2 (0) from whooping-cough, 6 (0) from measles, 22 (2) from diphtheria, 45 (11) from diarrhœa and enteritis under 2 years, and 14 (0) from influenza. The figures in parentheses are those for London itself.

Sheffield reported the second fatal case of enteric fever. There were 11 deaths from diarrhœa in Birmingham. Swansea reported 3 deaths from diphtheria.

## The Lancet 100 Years Ago

*June* 27, 1840, *pp.* 512 *and* 486.

*From the correspondence column.*

*Phrenitis, Hypochondriasis, and Co.*, have forwarded to us a petition, addressed to certain fashionable doctors who allow their footmen to make an alarming use of the knockers of houses in various parts of London, where the memorialists reside, announcing their arrival, not after the manner of grave and reflecting men, whose mission it is to allay suffering and excitability, but with the parade of inflated women of ton, whose motive is vanity, and whose call is a bore. The remedy lies with the patients, whose servants should be directed to tell the footmen of these Doctors Dulcamara to make less noise on the next occasion. Or the knocker should be tied, at the doctor's hour of visit, and the footman reduced to the indignity of the bell.

*From an original article.*

. . . your Journal is not the place for elaborate detail.

# OBITUARY

## JAMES KENNETH SUTHERLAND

M.B. EDIN., M.R.C.P.E., M.R.C.O.G.; CAPTAIN, R.A.M.C.

Captain J. K. Sutherland, who died in England on May 26 of wounds received while serving with the B.E.F. in Flanders, was 29 years of age. Born at Brynmawr in Breconshire he was educated at Taunton School and the University of Edinburgh, where he graduated M.B. with distinction in 1934. He held house-appointments at the Edinburgh Royal Infirmary, the Simpson Memorial Maternity Hospital and the Astley Ainslie Institution, and in 1936 he obtained the M.R.C.P.E. After a time as resident obstetrical officer at the Simpson he was appointed in 1938 first assistant in obstetrics and gynæcology at the British Postgraduate Medical School at Hammersmith. Of his work there Prof. James Young writes: "Sutherland came to us after a large and varied obstetrical experience in Edinburgh, and with his great natural ability, his sound judgment and his zeal he soon established for himself a high position among the staff and the students alike. He had in an especial degree the natural gifts that go to the making of a successful teacher. He was intelligent and thoughtful, he had a critical outlook and he had a buoyant and enthusiastic personality." Before war broke out Sutherland was engaged with Major R. J. Kellar on experimental and clinical investigations into the toxæmias of pregnancy. He also collaborated in a clinical investigation on stilbœstrol which was carried out on behalf of the Therapeutic Trials Committee of the Medical Research Council.

Sutherland was attached to the Royal Artillery (Territorial) as a medical officer, and was called up when war broke out. It is thought that he was the first R.A.M.C. officer to die from wounds received in action, and a friend from Edinburgh writes: "J. K. S.'s patients were always his first consideration and it was not surprising to learn that he received his fatal wound while on his way to help a wounded officer."

He married Dr. Joan Cunningham last September.

## JESSIE BALSILLIE

M.B. ST. AND.

Dr. Balsillie died suddenly at Newcastle, on June 14, in her sixtieth year. She was born at St. Andrews and took her M.B. at that university in 1905. Later she practised at Burton-on-Trent for six years, until she was appointed as maternity and child welfare officer to Stoke-on-Trent. During her twenty-five years' service there she was associated with two local welfare centres from their beginning and was medical officer to the nursery school; the development of the maternity and child welfare service owed much to her. Lately she had been taking an active part in the work of the emergency medical service. Her pleasing personality and high professional reputation alike make her death a loss to the city.

# MEDICAL NEWS

### University of Oxford

On June 20 the degree of D.M. was conferred on R. G. MacGregor in absentia.

### University of Cambridge

At recent examinations the following were successful:

FINAL EXAMINATION FOR M.B. DEGREE

*Part II: Physic, Pathology, and Pharmacology.*—H. J. Anderson, G. A. Ballance, R. G. Benians, L. B. G. Bennett, H. T. Calvert, J. A. Campbell, J. C. K. Campbell, R. L. Canney, G. K. F. Cohen, R. V. Dent, W. R. B. Dickinson, A. G. Farr, R. Friedman, G. S. Gladstone, S. C. Gold, T. S. S. Gregory, P. Haden, M. H. K. Haggie, R. T. Hastings-James, R. C. Howard, J. H. Humphrey, R. R. Hunter, R. C. Jack, P. G. Jeffries, E. E. Jones, J. H. Keesey, T. A. Kemp, J. D. Kidd, G. J. Laws, J. A. N. Lock, A. G. G. Long, B. C. H. Luker, D. H. Manson-Bahr, J. M. Marchant, R. S. Monro, H. V. Morgan, A. J. Moss-Blundell, J. M. Mungavin, B. F. H. Parker-Wood, J. F. Paxton, A. D. Payne, A. G. Porter, W. L. Price, J. M. Pullan, H. Rabinowitz, D. Scott, P. G. Seed, R. A. Shooter, J. F. Smith, L. W. Smith, N. Southwell, G. E. Spear, G. E. Stein, J. R. Tasker, L. R. S. Taylor, G. T. G. Thomas, R. M. Todd, P. D. Trevor Roper, C. H. C. Upjohn, H. H. Wolff, M. W. W. Wood, J. J. H. Beattie, M. K. Cole, J. Gibbon Davies, M. C. Simpson, and J. F. Thompson.

### University of London

During the session 1940–41 the M.B. examination will be held in October and April instead of November and May. Entries must be received not later than Aug. 31 and Feb. 25.

The examination for the diploma in clinical pathology which was to have been held in October has been postponed until January. The last date for receiving entries will be Dec. 1.

### Royal Society of Medicine

The combined summer meeting of the otological and laryngological sections of this society which was to have been held at Oxford on July 5 and 6 has been cancelled.

### University of Bristol

At recent examinations the following candidates were successful:—

FINAL EXAMINATION FOR THE DEGREES OF M.B., CH.B.

T. J. Butler (with second-class honours), D. L. Bayley, R. G. Boyd, Philip Jacobs, Marjorie Organ, R. W. Orton, Patricia M. Simpson, J. J. de S. Snijman, Barbara F. Thomas, Joan Threadgold, G. H. Tovey, D. N. Walder, and Lawrence Willoughby.

### Order of St. John of Jerusalem

The King has sanctioned the following promotions in and appointments to the Venerable Order of the Hospital of St. John of Jerusalem:—

*As Knight.*—Major-General E. W. C. Bradfield, I.M.S.; Sir Percival Horton-Smith Hartley, M.D.; and Lieut.-Colonel Gerald Eustace Peacock, M.R.C.P.

*As Commander.*—B. G. S. Belas, L.R.C.P.I.; Colonel A. J. van der Spuy, M.B.; Captain S. B. Turner, M.R.C.S.; and Lieut.-Colonel Wilfred Vickers, M.B.

*As Officer.*—A. P. Gibbons, M.B.; E. J. H. Budge, L.R.C.P.; W. A. Daley, M.D.; Captain R. V. Steele, M.B.; Colonel T. C. Boyd, M.R.C.P., I.M.S.; A. R. S. Vickers, M.B.; R. J. Coto, M.B.; E. C. Bradford, M.B.; J. E. Brereton, L.R.C.P.I.; G. P. Huws, M.B.; Tudor Williams, M.R.C.S.; and A. J. King, M.B.

### L.C.C. Radiotherapy Units

Since the war the demands on the council's deep X-ray units at Lambeth and Hammersmith Hospitals have been greatly increased and for some time past the five tubes at the Lambeth unit have been in use for twelve hours a day. To provide additional facilities for the diagnosis and treatment of cancer it is proposed to supply two additional X-ray therapy tubes and generators to Hammersmith Hospital. An additional radiotherapist, an assistant physicist, two nurse radiographers and four deputy sisters will be needed to staff the enlarged unit. These proposals have been submitted to the Minister of Health. The National Radium Commission are willing to lend the council 500 mg. of radium for the new tubes.

### Lister Institute

At a meeting of the council of the institute on June 21 Prof. C. R. Harington, F.R.S., was appointed one of its representatives on the governing body of the institute in place of the late Sir Arthur Harden.

### Medical Insurance Agency

The annual report for 1939 adopted by the agency on June 20 records that up to the end of June, 1939, the new life business negotiated reached about 190 per cent. of the corresponding figure for 1938; and in sickness assurance the percentage was 250. The outbreak of war, and the disturbed conditions preceding the actual declaration, seriously affected all departments, but the new life business for the whole year showed an increase of 50 per cent. over 1938 in the London office, and 4 per cent. in the Edinburgh branch; the assurances thus effected were greater by £152,000 than the best previous record. The rebates granted to the members of the profession who did their insurance business through the agency were also the best on record. Nearly £5000 was saved to medical men and women in this way, while £2000 was voted to the Royal Medical Benevolent Fund, with £400 for the Ladies Guild; £500 to Epsom College, with £300 for the Sherman Bigg Fund; and smaller sums amounting to over £100 for other purposes.

### International Standards for Antitoxins, Antisera and Tuberculin

The international standards for sera and other bacteriological products are held, on behalf of the Health Organisation of the League of Nations, by the State Serum Institute, Copenhagen, from which samples have hitherto been furnished to the laboratories, institutions and research workers requiring them in different countries. Now that this supply is interrupted the Medical Research Council have agreed to allow samples of the British standards for these products, held at the National Institute for Medical Research, Hampstead, to be sent out instead. The British standards in question are either part of the same materials as those kept in Copenhagen, or have been repeatedly checked by the British and Danish Institutes. The standards available are staphylococcus, diphtheria and tetanus antitoxin, gas-gangrene antitoxins (*perfringens*, *Vibrion septique*, *œdematiens*, and *histolyticus*); anti-dysentery serum (Shiga); antipneumococcus sera (types I and II); and old tuberculin. The National Institute can also supply a standard solution of diphtheria antitoxin for use in the flocculation test.

The stocks of these standards held at Hampstead are adequate to meet all demands, with the exception of the standards for antipneumococcus serum, types I and II, demands for which should be restricted to essential needs. In order to conserve the stocks of these standards laboratories are asked to establish local standards for these two antipneumococcus sera for routine testing.

Former recipients of the international standards who wish to be supplied from Hampstead should apply at once, stating which of the standards they require, and how many bottles in each case, to the Department of Biological Standards, National Institute for Medical Research, Hampstead, N.W.3.

### National Council for Mental Hygiene

At its seventeenth annual general meeting on June 18 the council for Mental Hygiene passed a resolution approving the principle of its amalgamation with the Child Guidance Council and the Central Association for Mental Welfare, as recommended in the report of the Feversham Committee. The executive committee was authorised to investigate the matter with the two other bodies.

At a public meeting held afterwards Colonel J. R. Rees spoke on strategic planning for mental health and made constructive suggestions to maintain the morale of the population during the war. The press and the cinema could help; a mental hygiene film which has recently been produced from a scenario prepared by the council, dealing with the prevention and treatment of fear, would shortly be available for general release. Colonel Rees said that decentralisation should be aimed at, and local committees or groups should be encouraged, for propaganda would be more effective if impartial and disassociated from any organisation.

## Medical Diary

*Week beginning July 1*

ROYAL SOCIETY OF MEDICINE, 1, Wimpole Street, W.1.
TUESDAY—5 P.M., annual meeting.

BRITISH POSTGRADUATE MEDICAL SCHOOL, Ducane Road, W. 12.
TUESDAY.—2.30 P.M., Sir Walter Langdon-Brown: ward clinic.
WEDNESDAY.—11.30 A.M., clinico-pathological conference (medical). 2 P.M., Prof. J. H. Dible: The Pathology of Fat Metabolism, I. 3 P.M., clinico-pathological conference (surgical).
THURSDAY.—2 P.M., Dr. Duncan White: radiological conference.
FRIDAY.—2 P.M., clinico-pathological conference (gynæcological). 2.30 P.M., Mr. V. B. Green-Armytage: sterility clinic.
DAILY.—10 A.M.-4 P.M., medical clinics; surgical clinics and operations; obstetrical and gynæcological clinics and operations. 1.30-2 P.M., post-mortem demonstration.

FELLOWSHIP OF MEDICINE AND POSTGRADUATE MEDICAL ASSOCIATION, 1, Wimpole Street, W. 1.
Royal Cancer Hospital, Fulham Road, S.W.3. MON., WED., and FRI., 10 A.M., F.R.C.S. (Final) clinical surgery course.

## Appointments

ANDERSON, MARY R., M.B. Durh., D.C.H., temporary assistant school medical officer for the county of Durham.
*JOSCELYNE, MURIEL V., M.B. Brist., D.P.H., assistant school medical officer for Hertfordshire.
KING, J. F. L., M.B. Lond., anæsthetist at the Royal Waterloo Hospital for Children.
MANSFIELD, R., M.R.C.S., D.A., anæsthetist at the Royal Waterloo Hospital for Children.
O'DRISCOLL, M. P., M.B. N.U.I., temporary assistant resident medical officer at Forest Gate Hospital, West Ham.
THOMAS, C. J. S., M.R.C.S., D.P.H., deputy medical superintendent at the Northamptonshire County Mental Hospital, Berrywood.

* Recommended for appointment.

## Births, Marriages and Deaths

### BIRTHS

BARCLAY.—On June 24, at Dundee, the wife of Dr. Patrick Barclay, of Middlesbrough—a daughter.
NUTTALL-SMITH.—On June 23, at Oxford, the wife of Dr. John Nuttall-Smith—a daughter.
PHILLIPS.—On June 20, the wife of Captain W. J. E. Phillips, R.A.M.C., of Alfreton, Derbyshire—a son.
WALLACE.—On June 22, the wife of Dr. T. Wallace, of Long Ashton—a son.
WOODMAN.—On June 22, at Darlington, the wife of Dr. A. Woodman—a daughter.

### MARRIAGES

AKEROYD—JEWSON.—On June 22, at Norwich, Alan Akeroyd, M.R.C.S., of Nottingham, to Brenda Jewson.
MARTIN—SOWELS.—On June 17, in Alderney, A. J. Martin, Lieutenant R.A.M.C., to Mary Violet Sowels.
HARRIS—GILL.—On June 20, at Bayswater, David W. T. Harris, M.R.C.S., to Anne Gill.
HATFIELD—HERFORD.—On June 20, at Gosport, Frank Edward Stafford Hatfield, M.B., Surgeon Lieutenant, R.N.V.R., to Sylvia Annette Meakin Herford, M.B., of Reading.
STURGEON—CLARK.—On June 22, at Surbiton, Alec Sturgeon, M.D., to Phyllis Clark.

### DEATHS

BERRY.—On June 18, at North Berwick, Sir George Andreas Berry, LL.D., M.B. Edin., F.R.C.S.E.
CARMICHAEL.—On June 19, at Putney, Donald Gordon Carmichael, M.B. Edin., late Lieut.-Colonel, R.A.M.C.
CONCANNON.—In June, 1940, killed in action in Belgium, John Noel Concannon, L.Med. Dubl., Major R.A.M.C.
KERRIDGE.—On June 22, Phyllis Margaret Tookey Kerridge, Ph.D. Lond., M.R.C.P.

SULPHATHIAZOLE.—Messrs. May and Baker inform us that they filed an application for a patent specifically covering the preparation of sulphathiazole on June 3, 1938.

ANALGESIC FOR CHILDREN.—Messrs. Allen and Hanburys suggest that an injection of morphine and scopolamine is suitable for the urgent relief of pain in child air-raid casualties. For this purpose they offer a sterile solution containing Alopon (total opium alkaloids) gr. $\frac{1}{4}$ and scopolamine gr. $\frac{1}{100}$ per c.cm. in 10 c.cm. rubber-capped vials. A table of suggested doses at various ages is printed on the label.

# NOTES, COMMENTS AND ABSTRACTS

## THE ESSENTIALS OF FIRST-AID

THE Ministry of Health has issued to all householders an excellent little pamphlet called First Aid in Brief. If anyone doubts its excellence let him try to re-write any part of it more clearly himself. "Be prepared to see severe wounds," it says. Very few people faint in an operating-theatre when they have anything to do—it is the onlooker under instruction who faints—but the layman will need to steel his heart when first he sees the shattered flesh of a modern bomb wound. Therefore, "Be courageous and keep your head." It is not generally known that the inner folds of a laundered towel are sterile until it is opened and that an emergency operation may be performed with these with a very good hope of avoiding sepsis. This piece of knowledge is applied in the pamplet's advice that we should all carry "several clean handkerchiefs or small towels" to act as first field dressings. The arrest of hæmorrhage is summarised in twenty lines, a triumph of brevity. The description of the improvised tourniquet is the only part that is not clear; but there is nothing harder to describe. It would be better to print the actual description in different type and to change the spacing so as to bring out the fact that the tourniquet must be tried if simple pressure through a pad fails. The warning not to give fluid to people hit in the belly is sound, and it might even be said to be risky to rinse the mouth out at this stage. Burns are dealt with by the negative instruction not to apply oil. This pre-Listerian treatment has died hard. Cold tea is the substitute recommended. For first-aid in the street this is unsuitable; but a corked bottle filled with a strong brew might be kept in every household. "Keep the patient lying down" is made to apply to all casualties. There is certainly one and probably a second exception to this—wounds of the belly and the chest. Instructions should be given to prop these persons up in the semi-erect position with their knees bent. The instructions to warm the patient in order to combat shock can be carried out in this position as readily as lying down.

## SHAKESPEARE'S TWINS

SHAKESPEARE had twin children of his own—Hamnet, who died young, and Judith—and he wrote two plays about twins, which have led Dr. Groesbeck Walsh and Dr. Robert M. Pool of Alabama (*South. Med. Surg.* April, 1940) to speculate about his scientific knowledge of the subject. They have, perhaps, let their own scientific knowledge colour their reading of his text; and they have not made enough allowance for the conventions of the Elizabethan stage. They say that Shakespeare almost certainly knew that freemartins are sterile imperfect female cattle born twin with a male, and they suggest—cautiously, it is true—that he might have had some notion of this kind about Viola in Twelfth Night. Was she not quick, even eager to assume male attire? Was there a bisexual phase, avowed or concealed, in her personality? Was she perhaps not a complete female human being and was she aware of this state of affairs? This is what worries Dr. Walsh and Dr. Pool. What worried Shakespeare, of course, was that all his heroines were played by little boys. It was a favourite device of Elizabethan dramatists to put their girls into male attire—no doubt because boys look better as boys than as girls. Shakespeare makes use of the trick at least seven times, counting Jessica. The other ladies, though not twins and therefore not freemartins, changed their clothes with alacrity so that it might be argued that they too enjoyed bisexual personalities. In Viola's case, however, there is a little more evidence, the authors think. Viola says: "I'll serve this Duke: thou shalt present me as a eunuch to him." But after all, if Shakespeare had to make his boys plausible as girls, he also had to make his girls plausible as boys. Viola feared that the Duke, a noticing man, would observe that her damask cheek required no razor. And so he did. "For they shall yet belie thy happy years," said he, "that say thou art a man. Diana's lip is not more smooth and rubious." Dr. Walsh and Dr. Pool take this as evidence that the Duke's subconscious mind knew more about Viola than did his conscious mind—and probably they are right. But they are on less debatable ground when they quote Dromio—"Methinks thou art my glass and not my brother"—as evidence that Shakespeare knew about mirror imaging; though even here the remark may mean only that he felt as familiar with his brother's face as he did with his own. Shakespeare was such an admirable observer that he tempts us into believing him omniscient, but he was first and foremost a dramatist with an eye for a situation, and he knew what he was about. He used his knowledge as a cook uses thickening in gravy, but the structure of his plays was dramatic, not scientific.

## THE G.P. IN AIR-RAIDS

Dr. R. H. Parry, medical officer of health for Bristol, has sent doctors in his area a copy of suggestions prepared by the local medical war committee which seem worthy of consideration throughout the country.

During and immediately after an air-raid any private medical practitioner not allotted for duty to a first-aid post or an E.M.S. hospital, unless attending to his private patients, should remain at his house or surgery or return there as soon as possible so as to be available to attend to any casualties that may come or be brought to him.

He should attend to all minor casualties and not direct them to first-aid posts which may be some distance away.

If an ambulance is required to remove casualties to hospital it can only be obtained by an air-raid warden, to whom the practitioner should apply. This precaution is necessary to prevent possible dislocation of the ambulance service by fifth columnists.

Practitioners not on duty with first-aid posts or at hospitals are advised not to try to proceed to the site of any damage unless specially summoned by the police or air-raid wardens. This would not apply to practitioners who find themselves by chance at or near the scene of damage by enemy aircraft.

All doctors are advised to lay in a stock of ointments, pastes, solutions and so on recommended in the official handbooks for the first-aid treatment of gas casualties.

## ERGOT OF RYE

ERGOT, which was the subject of a recent statement by the Medical Research Council (*Lancet*, June 15, p. 1092), is one of the few drugs which have become very difficult to obtain from the countries of production. The scarcity of ergot is not due entirely to the war, although that is an important cause. The main producing countries are Spain, Portugal, Russia and Poland—to a lesser extent Germany and several mid-European countries. The varieties most esteemed because of their higher alkaloidal contents are the products of Spain and Portugal; before the war substantial quantities were imported from Poland which helped to make up for the deficiencies of the Spanish output, manifest during the civil war and ever since. Portugal with a succession of poor crops and bearing the brunt of the world demand has found it expedient to ration supplies to the consuming countries. Up to the early part of last year Russia was an important source of supply of ergot of low alkaloidal content, but it is understood that the U.S.S.R. now reserves its output for use in its own maternity hospitals. Since the war a little ergot has been received from Hungary, but its quality may be measured by the fact that the price it commands is about half that of the Spanish and Portuguese brand.

Experimental production of ergot is in progress in New South Wales and in several parts of the United States, but the output so far is not of commercial importance although, curiously enough, the U.S.P. of 1820 was the first official pharmacopœia to include a monograph on a drug which was in use by German peasants more than three centuries earlier. The M.R.C. statement puts the recent rise in the wholesale price of ergot at 300 per cent. Since the late war it has in fact risen quite 1000 per cent., from which it may be inferred that world production of ergot has failed to keep pace with world demand. Conditions favourable to the economic production of this fungus of rye grain are an abundance of the rye plant and a hot summer following a wet spring. Towards the end of next September it will be seen whether Spain has recovered her place as a supplier of ergot.

There was a sudden and substantial fall last week in the price quoted for ergot for prompt shipment from Portugal, dealers in London receiving offers at prices 30 per cent. below those quoted the week before. The reason for this sharp reduction appears to be that shippers in Portugal have decided to unload their stocks to make room for the new crop. It may fairly be inferred that abundant harvests of ergot are expected in Spain and Portugal, but although the immediate cause for anxiety about supplies in this country has thus been removed it is important to remember that imported ergot has to be paid for in foreign currency.

## NEW X-RAY PLANT AT HORSHAM HOSPITAL

SOME friends of this hospital have lately given a new X-ray department to this hospital. Facilities for all kinds of radiological examination have been provided, and the plant is "shockproof." The high-tension generator is a 4-valve unit, giving outputs up to 500 mA. The switch-table incorporates all measuring instruments and provides the usual current and kilovoltage adjustments with dual control of both for screening. A pre-selector switch enables the operator to obtain automatically the required stabilised tube conditions without reference to the other controls, and by this means he may also select the tube focus. A "Neutronic" valve controlled time-switch is incorporated giving exposures down to 0·02 sec. A motor-driven tilting table is included, and this is designed to utilise a single "shockproof" tube for both recumbent and erect examination. The apparatus is complete with a ceiling-suspended fluorescent screen which may be removed entirely from the couch when not in use. A vertically mounted Potter Bucky diaphragm stand is installed beside the table and the same X-ray tube is also used with this. This radiographic stand incorporates a head-clamp for sinus work, but the Potter Bucky may also be turned horizontally for the convenient positioning of limbs and the examination of fractures.

The department is completed by the installation of a "shockproof" mobile ward unit, which has an output of 30 mA. and 90 kVp. The equipment has been made by Newton and Wright Ltd., of London.

## HONEY VERSUS BACTERIA

IN an investigation into the antibacterial powers of honey M. Franco and L. Sartori (*Ann. Igiene*, May, 1940, p. 216) found that some samples exerted a bacteriostatic action on *Bacterium coli*, *Bact. typhosum*, *Bacillus dysenteriæ* Shiga, *Staphylococcus aureus*, and spores of *B. anthracis*. One sample gathered from a mixed crop of flowers was definitely bactericidal against *Staph. aureus*, *Bact. coli*, and *Bact. typhosum*. It might be thought, especially in view of the reports of the treatment of ulcers with sugar, that these antibacterial powers of honey are due to its sugar content, but the experimenters concocted an artificial honey with its different sugars in the right proportions and this had no such powers. Further, the antibacterial action gradually disappeared when the honey was exposed to direct sunlight; diffused daylight, however, apparently had no effect. It seemed likely that the antibacterial action was communicated to the honey by the bees, and bees were therefore dissected and filtrates prepared from different parts, such as head and thorax, intestines and honey-bags, and from regurgitated honey. The strongest antibacterial powers were shown by the regurgitated honey and by the intestinal filtrate (the intestines play no part in the elaboration of the honey); the filtrates from the honey-bags and the head and thorax were much weaker. Apparently, therefore, the bacteriostatic and bactericidal powers of honey are due to a substance not formed in the tissues of the bee but sucked in with the nectar and pollen of the flowers—an assumption supported by the fact that the antibacterial powers of different samples of honey varied with their source. For instance, honey from mixed flowers exerted a much more powerful action than honey from acacia or chestnut flowers.

## A RETURN TO THE LAND

THE Pioneer Health Centre at Peckham, launched so hopefully five years ago, was compelled to close at the outbreak of war, partly from lack of support and partly because at that time it was believed that the building would be required for Government purposes. The centre existed chiefly to give club facilities and health services to the family as a unit, so that the war—by breaking up families—injured its very purpose. One valuable piece of active work is still surviving out of this woeful collapse of a promising venture: a small group of mothers and children have been received at Oakley House, Bromley, the home farm belonging to the centre, and the mothers, formerly used to the life of Peckham, are now running the farm. The change has been bred in them by personal experience. The annual report ("War and the Family." London: S. and A. M. Flutter, Ltd.) tells how "at first the young wife knows nothing—she is frightened of the cows, thinks all pigs are dirty, accepts water-supply and drainage as her natural inheritance, and the dustman as nature's scavenger of all surpluses. . . . Now, when the cows that they have learned to milk—these mothers who were so terrified of cows—have their calves, there is a proprietary feeling about it. The rubbish is jealously harvested as an invaluable food for the soil when composted; besides no germ must breed to contaminate the carefully handled milk. . . . Milking with their own children round the door waiting to drink the milk when it is ready; keeping the cowstalls clean, sterilising, making butter, digging, covering up the young bean seeds . . . all these things form the very substance of an education."

The children spend the day in a nursery school, which is carried on by two Montessori workers in a cottage adjacent to the farm, and the fathers come down at weekends, or when they are on leave, to lend a hand and visit their families. Twelve mothers have remained at the farm since the outbreak of war, each of whom pays a basic contribution of £1 a week for herself and her children; they work under a woman director of the farm and a house supervisor. In spite of the family contributions and the valiant efforts of the centre to raise funds, this experiment, too, must end in the coming autumn unless, as the report says, "something very unforeseen happens."

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LONDON AND COUNTIES MEDICAL PROTECTION SOCIETY. At the annual meeting on June 19 it was stated that the council does not propose to issue this year its usual detailed report. The serious loss to the society in the death of Dr. C. M. Fegen was sympathetically noted as well as the death of two valued council members, Mr. A. T. Pitts and Dr. T. A. I. Howell. The profession is reminded that the public is very "compensation conscious" and no practitioner is immune from litigation, whether in private or public practice. A new scheme provides cover for members residing overseas on payment of an additional subscription. The work of the society has gone on without interruption at Victory House, Leicester Square, London, W.C.2.

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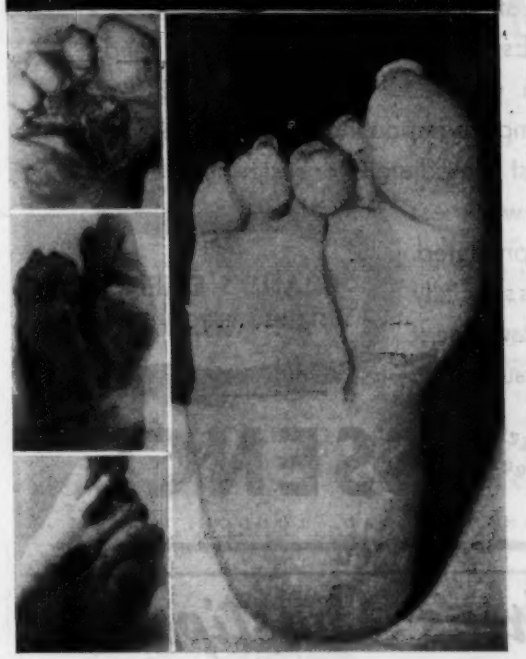

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Prolonging the standing period allows the action of the amylase to proceed further so that dextrins, dextri-maltoses and maltose are formed, while insoluble starch remains as 0.5% of the prepared Food. Tryptic activity continues at the same time so that the milk protein is modified to the point where the curd formed upon contact with the gastric juices is similar to that of human milk.

When breast feeding fails, Benger's Food forms the ideal infant diet. Starch content is negligible. Carbohydrate is present as the ideal mixture in dextrins, dextri-maltoses and maltose. Milk protein is modified to suit the delicate digestive organs of the infant.

When digestive weakness is extreme, such as in cases of peptic or duodenal ulcer and the problem is to give the maximum of nourishment, Benger's Food provides both nourishment and digestive rest.

Sole Manufacturers: BENGER'S FOOD, LTD., HOLMES CHAPEL, CHESHIRE, ENG.

*The Benger Laboratories are always at the disposal of the medical profession in any of their dietetic problems.*

T.7

# for MENOPAUSAL CONDITIONS

## DESPITE RAPIDLY RISING COST OF OESTRIN

## NO INCREASE IN PRICE

Recently there has been a considerable increase in the cost of the various ingredients in the Menopax formula. Oestrin, for instance, is now three times the price it was before the war. Nevertheless, Menopax will be maintained as long as possible at its original low prices.

*Clinical samples and literature will be gladly sent—post free—to any member of the medical profession on request*

## A Compound Oestrogenic Sedative

Menopax has now been firmly established as THE treatment for all symptoms of the Climacteric, and Doctors can prescribe it with every confidence. These tablets not only compensate for ovarial hormone deficiency but a high sedative effect is felt almost at once. The still reasonable cost permits these tablets to be freely prescribed.

# MENOPAX

BRAND

**TABLETS**

*An effective causal and symptomatic remedy for the treatment of climacteric disorders*

**EACH TABLET CONTAINS:** Oestrin 100 I.U.; Ovarian Ext., 0·115 gr.; Theobromine Calc. Sal., ⅓ gr.; Caffeine Cit., ½ gr.; Monobromiso-Valerylcarbamide, 1 gr.; Calc. Lactate, 1½ gr.

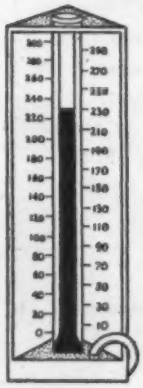
| 42 TABLETS | 75 TABLETS | 168 TABLETS |
|---|---|---|
| 3/6 | 5/- | 10/6 |

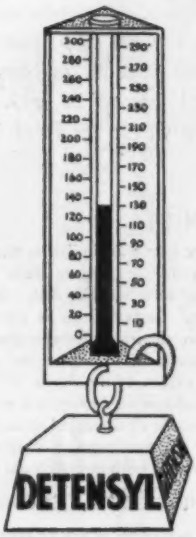
THROUGH ALL GOOD CHEMISTS AND DIRECT

**MENOPAX IN BULK FOR DISPENSING:**
500 Tablets, 25/- Nett. 1,000 Tablets, 45/- Nett.

PROPRIETORS: CLINICAL PRODUCTS, LIMITED, 232, FURNIVAL HOUSE, 14-18, HIGH HOLBORN, LONDON, W.C.1

# HYPERTENSION!






## REDUCED BY

# DETENSYL

## VEGETO-POLYHORMONIC HYPOTENSOR

★

Gentle and regular reduction of Arterial Tension

No contra-indications

★

**DETENSYL** is indicated for

ARTERIO-SCLEROSIS, ARTHRITIS, MENOPAUSAL DISTURBANCES, OCULAR AND AUDITORY TROUBLES OF HYPERTENSION, PERSISTENT CEPHALALGIA, SCLEROSIS OF THE KIDNEY, PALPITATION, and

**HIGH BLOOD PRESSURE**

★

*Clinical Sample and Literature from*

**CONTINENTAL LABORATORIES LTD.**
**Brunel Road, East Acton, London, W.3**

# *Depend upon it . . . . .*

Welfare and sick-room experience amply demonstrates the fundamental importance of regularity of bowel evacuation particularly for children during their growth and development. In this connection the choice of a laxative is obviously of first importance.

•

'California Syrup of Figs' offers marked advantages over the harsher mineral and synthetic drugs. Skilfully prepared from selected figs and sennas, it effects thorough evacuation without griping or discomfort. Moreover it has no exhausting effect on the alimentary system and is completely safe and dependable in action.

•

'California Syrup of Figs' may confidently be recommended as the routine laxative for children of all ages. Being pleasantly flavoured it is accepted readily by the most fastidious patient.

# 'California Syrup of Figs'

*Samples will gladly be supplied on application to :—*
PROPRIETARY AGENCIES, LTD.
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# GLANOID THYROID

Whenever Thyroid medication is required, DEPENDABLE AND UNVARYING CLINICAL POTENCY IS ASSURED BY PRESCRIBING "GLANOID" THYROID.

The Glanoid Thyroid Preparations include Tablets $\frac{1}{100}$ grn. to 5 grns. (Plain or Keratin Coated), Solutions for Oral Administration and Sterile Solution for Injection.

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THE Armour Laboratories
(ARMOUR AND COMPANY LTD)
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Telegrams: "ARMOSATA-CENT" LONDON

"FELLOWS"
TRADE MARK
COMPOUND SYRUP OF HYPOPHOSPHITES

contains essential minerals: Iron, Sodium, Calcium, Potassium, Manganese and Phosphorus. A dependable formula prescribed with satisfaction for over 60 years. "FELLOWS" is a reliable product, manufactured under strict supervision and—with a consistency of quality that only the greatest care in manufacture can ensure.

Samples on Request

Fellows Medical Mfg. Co., Ltd.

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# ETHYL CHLORIDE

## CHLORYL ANÆSTHETIC
(DUNCAN)

FOR GENERAL and LOCAL ANÆSTHESIA
IT IS INDISPENSABLE IN THE SURGERY

Duncan

Ethyl Chloride (Duncan) is perfectly free from hydrochloric acid, empyreumatic bodies, etc. It has a pleasant ethereal odour and its vapour is non-irritating.

Descriptive Booklet and Prices on Application

Supplied in 30 c.c. and 60 c.c. graduated flasks or in 5 c.c. hermetically sealed ampoules.

May be had perfumed with Eau de Cologne if desired.

**DUNCAN, FLOCKHART & CO.**
**EDINBURGH and LONDON**
104/8, Holyrood Road, 8. 155/7, Farringdon Road, E.C.1.

# IODOLYSIN

gives really satisfactory results in a large proportion of cases of rheumatoid arthritis and allied conditions. This claim is supported by numerous reports from medical practitioners. Such success must appeal particularly to the general practitioner, who has constantly to deal with difficult and intractable cases of those diseases.

Iodolysin is a chemical compound containing 47% of iodine and 43% of thiosinamine. It has definite therapeutic advantages over uncombined thiosinamine.

*Preparations:*
Injection Solution; Capsules; Ointment.

*Literature will be sent post free on application.*

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# Now—a complete and perfect System of Infant Feeding

THE "Veguva" System of Infant Feeding represents a noteworthy advance in pediatrics. Its introduction has been received with the keenest interest by specialists in infant nutrition throughout the country.

An examination of the "Veguva" System immediately demonstrates its advantages over the usual methods of feeding with modified milk foods. It comprises two foods which, together, constitute a complete system of feeding from birth.

**"Veguva" No. 1.—Milk food containing vegetable and fruit juices—for infants from birth.**

**"Veguva" No. 2.—Vegetable Adjuvant —for infants from four months.**

Physiological tests show that "Veguva" Foods are rich in the vitamins, easily assimilable organic iron and other important mineral salts which are essential to normal development and well-being and the prophylaxis of deficiency disorders.

"Veguva" is packed by methods which effectively conserve the product and prevent any deterioration.

## *A Booklet*

*explaining in detail the "Veguva" System of Infant Feeding, together with clinical trial samples of "Veguva" Foods, will be sent on request.*

A. WANDER LIMITED,
184 Queen's Gate, London, S.W.7.

***Laboratories, Works and Farms:***
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***Distributing Agents:*** **INDIA: 83a Ripon Street, Calcutta.**

# Veguva BRAND Baby Foods

M 294

## for Mothers and Children

Marmite is a valuable protective food for expectant and nursing mothers and children, since it not only supplies vitamin $B_1$—an essential factor for growth—but is also rich in all the other vitamins of the B group which promote good health.

Children can often be tempted to eat Marmite sandwiches even when they refuse other food, and Marmite made with milk provides a popular drink.

# MARMITE

For sample and literature apply to:

**THE MARMITE FOOD EXTRACT CO. LTD., 35, Seething Lane, LONDON, E.C.3**

405 Jars: 1-oz. 6d., 2-oz. 10d., 4-oz. 1/6, 8-oz. 2/6, 16-oz. 4/6. Special terms for packs for hospitals and welfare centres.

# RADIOSTOLEUM

*(Standardised Vitamins A and D)*

*For prophylaxis*
**Radiostoleum Capsules**

*As an adjunct to infant feeding*
**Radiostoleum Emulsion with Vitamin C**

*For treatment*
**Radiostoleum Liquid**

*For intensive treatment*
**Concentrated Radiostoleum for Injection**

Radiostoleum provides the means of administering Vitamins A and D in accurately-standardised amounts; its prescription in one of the above forms appropriate to the requirements of the case ensures the maximum response to treatment and the co-operation of the patient, particularly when administration by injection is adopted.

*Literature with full details of the conditions in which Radiostoleum is indicated together with a sample of any of the above products will be sent on request*

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Telephone: Clerkenwell 3000 Telegrams: Tetradome Telex London

Rstm/E/412

# Roboleine

THE FOOD THAT BUILDS THE BODY

A PALATABLE PREPARATION OF MALT CONTAINING

**RED BONE MARROW-LECITHIN**

*and*

**VITAMINS A & D**

| VITAMIN CONTENT | INDICATIONS |
|---|---|
| ONE TEASPOONFUL CONTAINS | MALNUTRITION |
| 200 INTERNATIONAL A UNITS | CONVALESCENCE |
| 140 INTERNATIONAL D UNITS | TUBERCULOSIS . RICKETS . ETC. |

IN 3 SIZES
1/6 36 DOSES
2/9 72 DOSES
6/9 216 DOSES

**OPPENHEIMER SON & CO. LTD.**

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CONTINENTAL LABORATORIES LTD.

Brunel Road, East Acton, LONDON, W.3.

# Decisive control over mycotic infections

**with the new fungicide jelly**

# MERSAGEL

Mersagel gives the physician decisive control over the spread of mycotic infections. The preparation is of particular value in the summer, when community bathing and athletics increase the prevalence of tinea of the foot and groin. Mersagel consists of phenyl mercuric acetate—a powerful fungicide—at a concentration of 1 in 750 in a colourless water-soluble jelly base. Applied to the affected skin, Mersagel rapidly destroys the causative organisms. The jelly soothes inflamed tissues and, by exosmotic action, reduces swelling.

In collapsible 1½ oz. tubes, and 16 oz. jars.

PRODUCTS OF THE GLAXO LABORATORIES

# Acriflavine made fully effective—

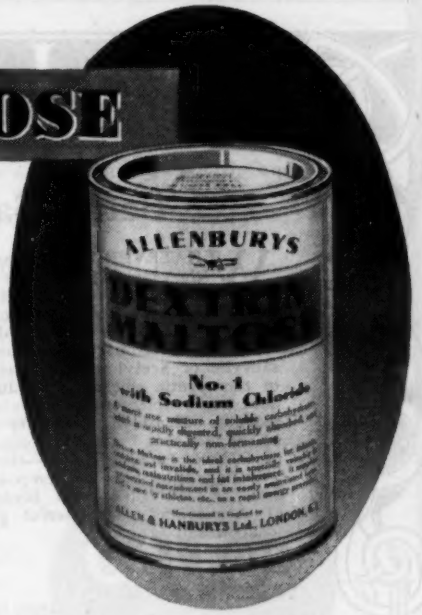
Acriflavine enjoys a high reputation as a powerful tissue antiseptic. But in its new form—Flavogel—acriflavine is even more effective. Presented in a bland jelly base, soluble in water, the acriflavine in Flavogel can penetrate immediately to every part of the wound, achieving intimate contact with the tissues and exerting full bactericidal potency, with a markedly prolonged effectiveness. Flavogel reduces swelling round the wound, promotes clean and rapid healing and is soothing in application. Flavogel is offered in tubes, an advantage that marks it as particularly suitable for inclusion in A.R.P. and other emergency first aid kits.

1½ oz. tubes and 16 oz. jars

**potent, soothing prolonged action**

# FLAVOGEL

# Allenburys DEXTRIN-MALTOSE




THE use of Allenburys Dextrin-Maltose is indicated in digestive disorders of infants, children and adults.

This mixture of carbohydrates is easily digested, resists fermentation, and counteracts tendencies to diarrhœa. It makes milk more digestible.

In six forms:

No. 1 contains 2% of sodium chloride.

No. 2 is free from addition of sodium chloride.

No. 3 contains 3% of potassium bicarbonate.

No. 4 contains 150 units of Vitamin D per oz.

No. 5 contains iron and sodium chloride.

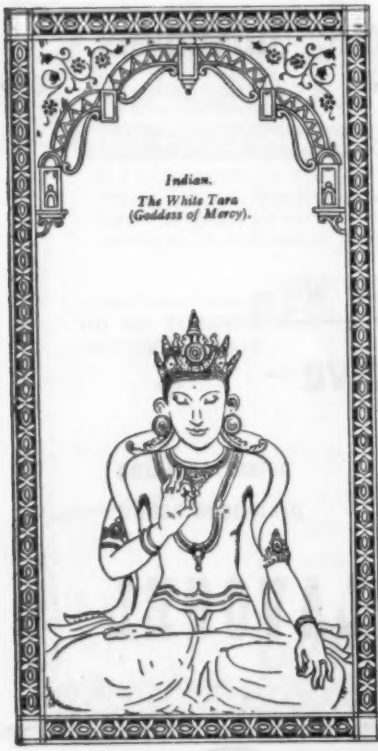
No. 6 contains a prophylactic proportion of the anti-scorbutic Vitamin C equivalent to 5 mg. of ascorbic acid per oz.

**ALLEN & HANBURYS LTD.**
**LONDON, E. 2**

Telephone: Bishopsgate 3201 (12 lines)

Telegrams: "Greenburys Beth London"

*Descriptive literature and clinical trial sample will be sent post free on request to members of the medical profession.*




# "ALOCOL"

## Colloidal Hydroxide of Aluminium

## Improved Antacid Therapy

SODIUM BICARBONATE, bismuth salts and other time-honoured antacids having each proved to possess individual disadvantages, an agent such as "Alocol" which combines the best therapeutic features of these with intrinsic merits of its own, must be of interest to the physician.

"Alocol" is a powerful antacid agent which forms with the stomach contents a colloidal jelly with the power of adsorbing free hydrochloric acid, thus fixing it and eliminating it from the system. It has a remarkably soothing effect on the inflamed or irritated gastric mucosa and is, therefore, rapidly effective in relieving pain. Being non-absorbable "Alocol" is free from any risk of "alkalosis."

"Alocol" can be prescribed with confidence in all cases where alkaline therapy is indicated. Issued in tablet and powder form.

*Complete chemical history of "Alocol," with convincing clinical reports and supply for trial sent free to physicians on request.*

**A. WANDER, LTD., Manufacturing Chemists,**
**184, Queen's Gate, London, S.W.7.**
***Works: KING'S LANGLEY, HERTFORDSHIRE.*** M257

# ALASIL

## Better Salicylate Therapy

WHATEVER be the season of the year, there is a wide sphere of utility for "Alasil," the improved form of salicylate medication. "Alasil" is a very definite advance on ordinary compounds of salicylic or acetyl-salicylic acid both in therapeutic efficiency and in freedom from unpleasant gastro-intestinal sequelæ. This high tolerability is due to the fact that "Alasil" is composed of calcium acetyl-salicylate—the least irritating of the salicylate compounds—and "Alocol" (Colloidal Hydroxide of Aluminium), a powerful gastric sedative and antacid.

A careful series of experimental tests has recently shown that "Alasil" is more completely absorbed than ordinary salicylate compounds, and that it is practically free from the risk of liberating free salicylic acid in the stomach. Wide clinical experience anticipated these findings by demonstrating that the use of "Alasil" can be pushed or prolonged to a much greater extent than ordinary salicylate compounds, and that it can be given with equal safety to children, adults, the aged and patients with finely-balanced digestive capacities.

***A supply for clinical trial with full descriptive literature sent free on request.***

**A. WANDER, LTD.,**
**Manufacturing Chemists,**
**184, Queen's Gate, London, S.W.7.**
***Laboratories and Works:*** **King's Langley, Herts.**

M269

*Safety of Treatment in Ovarian Follicular Deficiency with*

# OESTROFORM

*The natural œstrogenic hormone*

Extensive use of synthetic œstrogenic substances has revealed the fact that these are liable to give rise to a mild, though unpleasant, gastro-intestinal reaction characterised by nausea and vomiting upon oral administration. It is possible to carry out prolonged treatment in every such case of idiosyncracy by the use of the natural hormone Oestroform.
Oestroform is a substance that is physiological to the body. It is incapable in any circumstances of provoking a reaction, and although many thousands of ampoules of Oestroform have now been administered it has been found to be readily tolerated in every case.

**Oestroform is essentially indicated in**

- the natural and artificial menopause
- delayed puberty
- secondary amenorrhœa
- sterility and dysmenorrhœa due to uterine hypoplasia
- pruritus vulvæ, vulvo-vaginitis in children and senile vaginitis

*Literature on request*

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Telephone: Clerkenwell 3000 Telegrams: Tetradome Telex London

SHor/E/63

# A New Control

"The twentieth century has given us a new control, through food, of health, growth and development."
(*The Health of the School Child*, 1940, p. 21)

IN spite of the remarkable improvement in the national dietary since the beginning of the present century, a great amount of ill health and poor physique is still due to insufficient intake of calcium and phosphorus. Much of this could be prevented by the administration of 'Calfos'—especially during pregnancy and childhood.

'CALFOS,' which is derived from natural sources, presents calcium and phosphorus in the most assimilable form and in the correct physiological ratio. Its use ensures the retention of these two minerals in the body in adequate amounts to replace natural losses. 'Calfos' thus marks an advance in nutritional therapy of outstanding importance to all who suffer—whether overtly or not—from calcium and phosphorus deficiency.

'CALFOS' BRAND TABLETS

*Samples and full literature on request*

CALFOS LTD., IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2

Pain can become so great that to the patient relief seems warranted at any price. The physician, however, realises the danger of addiction when pain is treated with morphine and favours the more innocuous measures for obtaining relief.

For this reason VEGANIN is the analgesic of choice with many physicians. Its positive efficacy, low toxicity and freedom from habit formation, assure the utmost therapeutic benefits without undesirable by-effects.

VEGANIN brand Tablets present a synergistic combination of codeine, phenacetin and acetylsalicylic acid and thus not only provide the means for the alleviation of pain but are antipyretic and sedative.

Torture by the Bastinado

Among the more exquisite forms of torture practised in olden times was that of the Bastinado. The soles of the feet were beaten with a whip. At first the suffering was not great, but as the strokes mounted in number and the flesh became swollen, broken and bleeding, the agony became intense and the victim writhed frantically in the effort to escape the cruel punishment.

VEGANIN + + for pain

WILLIAM R. WARNER & CO., LTD.
POWER ROAD · CHISWICK LONDON, W. 4.

DIET AND THE NERVOUS SYSTEM

# New Light on Neuro-Muscular Degenerations

Bicknell (*Lancet*, 1940, I.10) records improvement in cases of amyotrophic lateral sclerosis, in amyotonia congenita, and in a series of cases of hypertrophic muscular dystrophy treated over some months with wheat germ (Bemax), a source of Vitamin E in which Vitamins $B_1$ and $B_6$ are both richly represented.

*But Bicknell emphasised that "It is important to realise that the anti-sterility factor—i.e. α-tocopherol [Vitamin E]—is probably not identical with the myotrophic and neurotrophic factors."*

More recently Antopol & Schotland (J. Am. Med. Ass. 1940, 114, 1058) report success in six cases of pseudo-hypertrophic muscular dystrophy treated with pure Vitamin $B_6$.

Three of the vitamins present in wheat germ, **Vitamins $B_1$, $B_6$ and E.** which have all been shown to play important parts in maintaining the normal function or structure of the nervous system, **exist together in their highest natural concentrations in Bemax.** Most diets nowadays are deficient in those vitamins which Bemax supplies so abundantly. *This fact, and the clinical records quoted indicate that the regular use of Bemax may be expected to yield valuable results in certain nervous diseases.*

**Bemax**—*the germ of wheat in stabilized form*

*Laboratory reports and clinical sample of Bemax sent to medical men on application to :*

**Vitamins Ltd. (The Bemax Laboratories), (Dept. L.12), 23, Upper Mall, London, W.6.**

★ **PROSTATIC HYPERTROPHY**

**The adequate administration of this Company's preparations of the prostate gland, either desiccated in capsules ("Opocaps") for oral administration, or in solution in ampoules ("Opojex") for hypodermic injection, has given excellent results in many cases.**

EXTRACT from LETTER :

I feel very grateful for the successful results that so quickly followed the use of the "Opocaps." Although I have retired from active practice, I assist my fellow medicos from time to time, and have recommended your "Opocaps" to several of my friends and others, and will continue to do so, because of the personal and most successful test I have made of them. L.R.C.P.I., L.R.C.S.

℞ **"OPOCAPS" PROSTATIC (B.O.C.) gr. 3 (Oral)**

Mitte - sig. 1 t.d.s., a.c. (Supplied in boxes of 50 or 100 capsules.)

℞ **"OPOJEX" PROSTATIC (B.O.C.) (for injection)**

Mitte - sig. 1 in die (or dieb. alt. when given concurrently with "Opocaps"). (Supplied in boxes of 6 or 12 ampoules 2 c.c.)

★ **BRITISH ORGANOTHERAPY CO., LTD.**

**22, GOLDEN SQUARE, LONDON, W.1**

Telephone : Gerrard 7111 Telegrams : "Lymphoid, London"

Agents in India : SMITH, STANISTREET & CO., LTD., CALCUTTA

# 'CYSTAZOL'

## A POWERFUL URINARY ANTISEPTIC

**Cystazol'** is a combination of Hexamine with Sodium Benzoate: its action depends on the liberation of formaldehyde from the decomposition of the hexamine that takes place in the urine which has been rendered acid by the sodium benzoate moiety.

**'Cystazol'** is employed with advantage in cystitis, bacilluria of all types, pellagra, gonorrhœa and septic conditions of the urinary tract generally.

**COMPRESSED TABLETS of 'Cystazol'**

Supplied in bottles of 20, 40, 80, 160 and 500 (10 grain) tablets, at 1/6, 2/6, 4/6, 8/6 and 20/-

**EFFERVESCENT GRANULES of 'Cystazol'**

Supplied in bottles at 2/6 and 4/6.

*Descriptive literature and clinical trial sample will be sent post free on application.*

**Allen & Hanburys Ltd., London, E.2**

Telephone: Bishopsgate 2201 (12 lines) Telegrams: "Greenburys Beth London"

# LIVOGEN

*The Rational War-time Tonic*

Livogen contains the hæmatopoietic principle which is of value in the specific anæmias known to respond to liver treatment; it contains, also, in adequate amounts, all the members of the Vitamin B complex, which combine with other substances in the body to form coenzymes. These coenzymes are activators of the chemical processes involved in the breaking down and building up and replacing of all the body tissues.

Livogen acts, therefore, not by goading on tired and worn-out tissues but by stimulating the processes of repair and replacement and by supplying those substances which are essential for the smooth working of devitalised tissues.

It provides precisely those factors which are likely to be deficient as a result of the rationing of meat and the need for which is increased through mental and emotional stress. It is appropriate, therefore, to describe Livogen as the rational war-time tonic.

*Literature on request*

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Lgn/E/77

# *Dyspepsia in the anxiety state....*

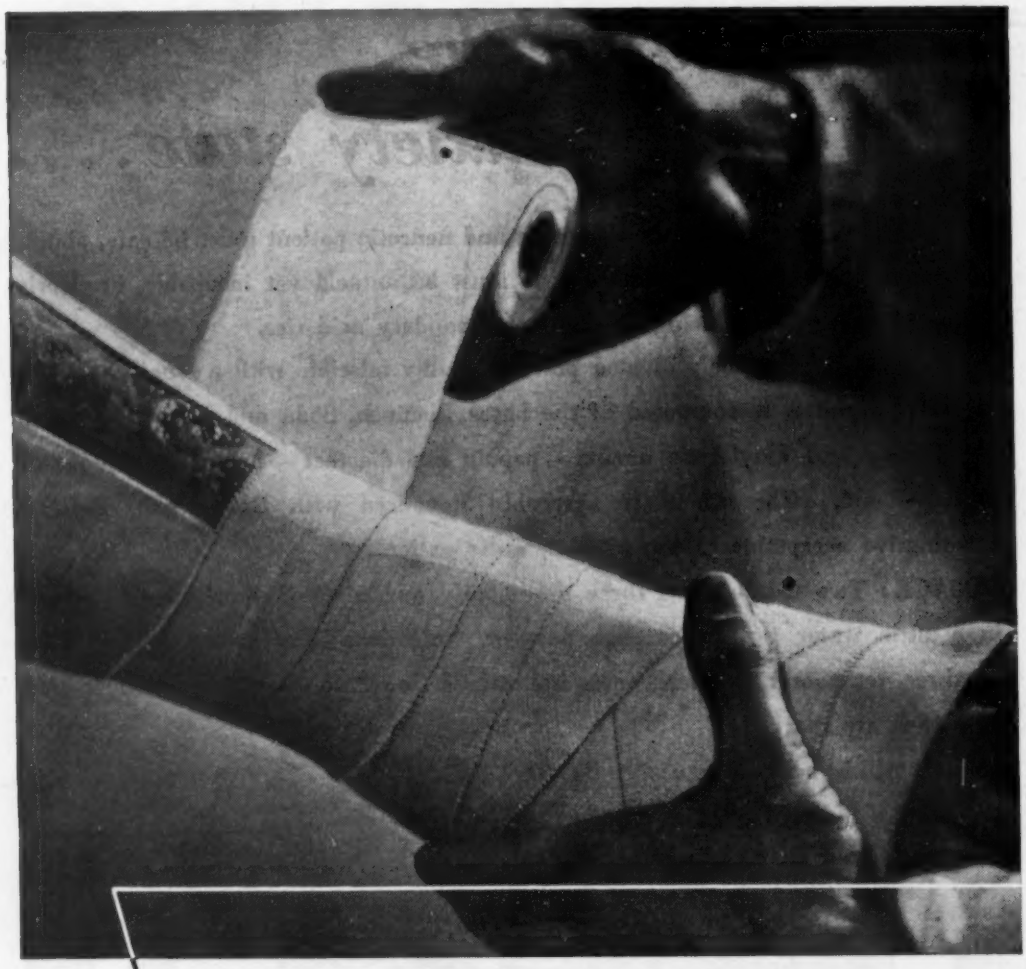
● **Antacid medication for the depressed and neurotic patient must be safe, simple of administration and yet effective. It must be antacid yet incapable, in clearly defined dosage, of producing alkalosis or secondary acid rise.**

● **'BiSoDoL'... a finely divided powder, readily miscible with a small quantity of milk or water, is composed of the bases Bismuth, Soda and Magnesia. The peptonising and amylolytic agents — papain and diastase — bring their quota of digestive aid. The whole is agreeably flavoured with Ol. Menth. Pip., a carminative acceptable to the most neurotic patient.**

**DOSAGE: Two teaspoonfuls three times daily, administered shortly before meals in a little water for an average dosage. This dose may be safely increased to three teaspoonfuls where such indications as acute gastric discomfort and flatulence are marked.**

**Samples will be sent on request to BiSoDoL Ltd.,**
**12, Chenies Street, London, W.C. 1.**

**BISODOL** is composed of
*Bismuth subnitrate*
*Magnesium carbonate*
*Sodium bicarbonate*
*Peppermint oil*
*Papain*
*Diastase*




# VARICOSE CONDITIONS

Elastoplast Technique was evolved with 'Elastoplast' Bandages and Dressings. The successful results described in the Medical Press and reprinted in "Elastoplast Technique" were achieved with 'Elastoplast' Bandages and Dressings.

The combination of the particular adhesive spread used in making 'Elastoplast' with the remarkable stretch and regain properties of the 'Elastoplast' cloth, provide the precise degree of compression and grip shown by clinical use to be essential to the successful practice of the bandaging technique.

**'ELASTOPLAST' BANDAGES AND PLASTERS**
are made by T. J. Smith & Nephew, Ltd., Hull

# MYALGIAS OF THE EXTREMITIES BACK AND NECK

**are almost invariably benefited by heat therapy.**

**Antiphlogistine Brand Dressing is a most useful and efficient form of applying prolonged moist heat, plus medication, for the relief of muscular aches and pains and associated stiffness.**

**It is distinctly beneficial, also, as a supporting measure to electro-therapy.**

***Sample on request***

**BRAND ANTIPHLOGISTINE DRESSING**

MADE IN ENGLAND

**THE DENVER CHEMICAL MFG. CO.**

**12, Carlisle Road : : London, N.W.9**

# BROMETHOL-BOOTS

*(Tribromethylalcohol in Amylene Hydrate)*

**Manufactured under Licence (granted under the Patents, Designs, Copyright and Trade Marks (Emergency) Act, 1939) in the laboratories of Boots Pure Drug Co. Ltd., Nottingham.**

**BROMETHOL-BOOTS is a solution of tribromethylalcohol in amylene hydrate each c.c. containing 1 gm. of tribromethylalcohol and 0.5 gm. of the solvent, for use as a basal anæsthetic.**

**BROMETHOL-BOOTS is especially useful in nervous and excitable patients and is well tolerated in hyperthyroidism. It may be employed to produce "twilight sleep" in obstetric practice. The usual dosage is 0.075—0.1 c.c. per kgm. of body-weight in a 2½ per cent solution in distilled water.**

***Bottle of 25 c.c. - - 15/- Bottle of 100 c.c. - - 54/-***

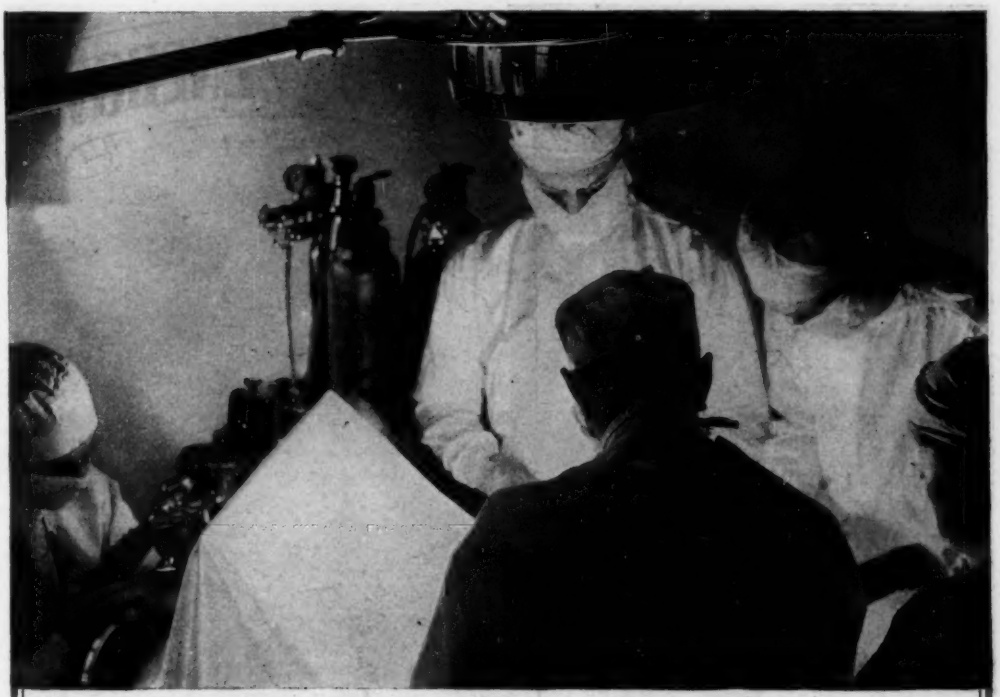
**CONGO RED SOLUTION 1 : 1000 (for testing Bromethol-Boots solutions) - 1/-**

***Discount to the medical profession***

**Literature on Bromethol-Boots and a Dosage Table card for calculating the dose of Bromethol and the amount of distilled water required will gladly be sent upon request.**

## BOOTS PURE DRUG CO. LTD NOTTINGHAM

B431-47



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SODIUM ETHYL MERCURI THIOSALICYLATE

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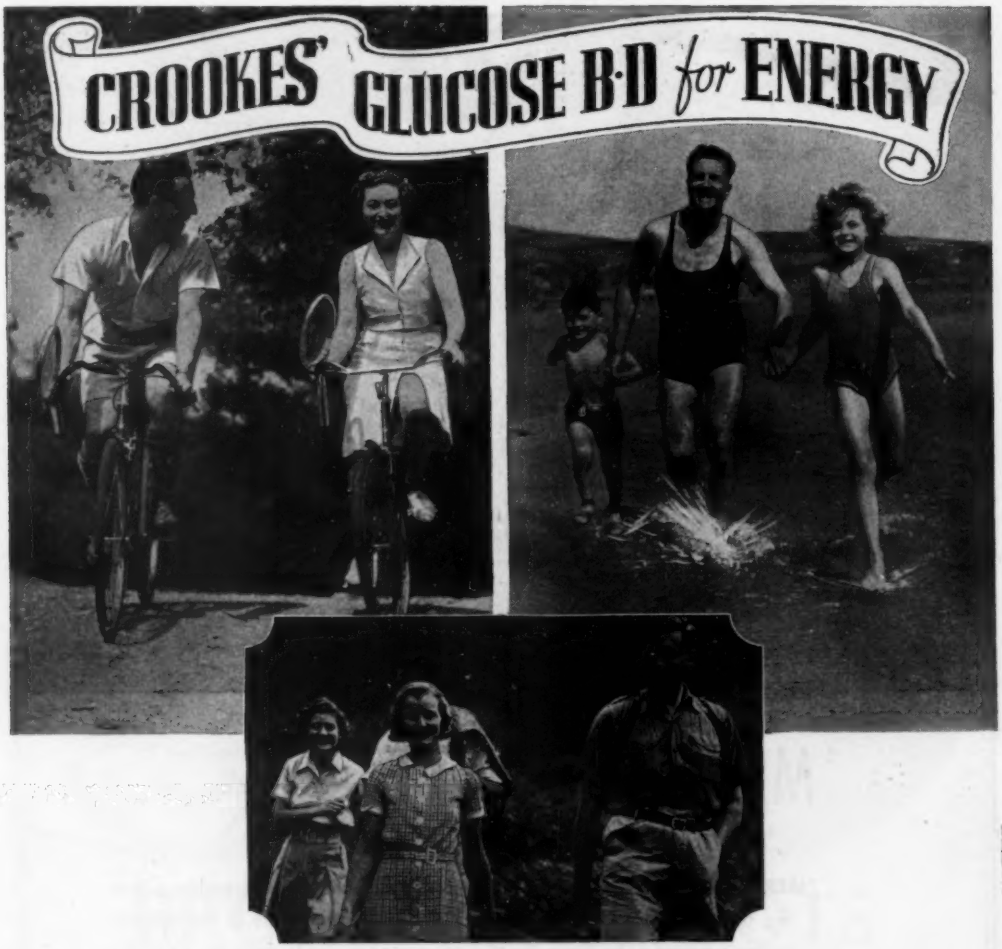
ELI LILLY AND COMPANY LIMITED
BASINGSTOKE and LONDON

# CROOKES' GLUCOSE B·D *for* ENERGY



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**PRICE - - 16-oz. tins, 2/6**
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*— easier cleansing,*

*— keener, more durable cutting edges,*

*— greatly reduced costs*

with

**Milward's VIM**

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## FIRTH BREARLEY STAINLESS STEEL

# HYPODERMIC NEEDLES

THE USE OF Milward's VIM Hypodermic Serum and Exploring Needles improves the practitioner's injection work making it easier for himself and less painful for the patient.

Firth Brearley Stainless Steel is the only genuine stainless steel which can be hardened and tempered to give a cutting edge with the keenness of carbon steel while it retains the non-corrosive, non-rusting properties and greater durability of stainless steel.

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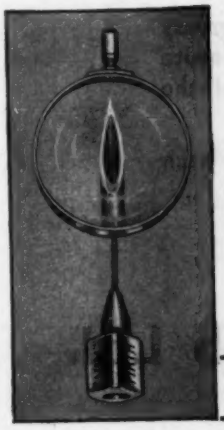

Hospitals have proved that apart from their superior efficiency they cost less to use as one VIM needle outlasts three to five ordinary steel needles.

**For best results, use VIM Needles with VIM Syringes.**

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| Cytolysis | Post-Scarlatinal Rhinitis |
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" " 1-lb. " ... ... ... 14/6 "

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Streptocide is also issued in the form of a non-greasy cream, which is specially recommended in acute inflammatory conditions when rapid absorption of the drug is desired.

Issued in 2-oz. Containers ... ... ... 2/9 each
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A really palatable tonic Elixir for patients of all ages, designed to restore appetite and provide the necessary minerals and vitamins to promote speedy convalescence. Consisting of Vitamins A and D, Iron, Calcium, Glycerophosphates, &c., in a flavoured syrup containing Glucose. Specially suitable for children.

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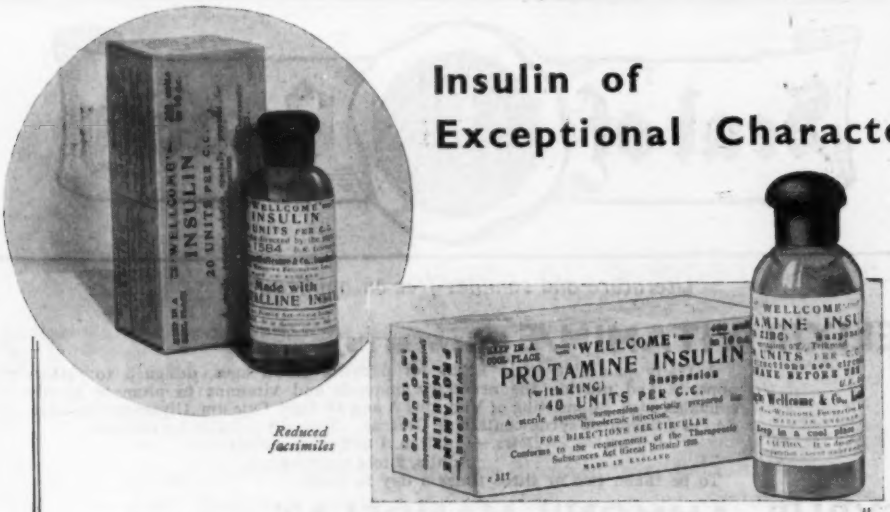


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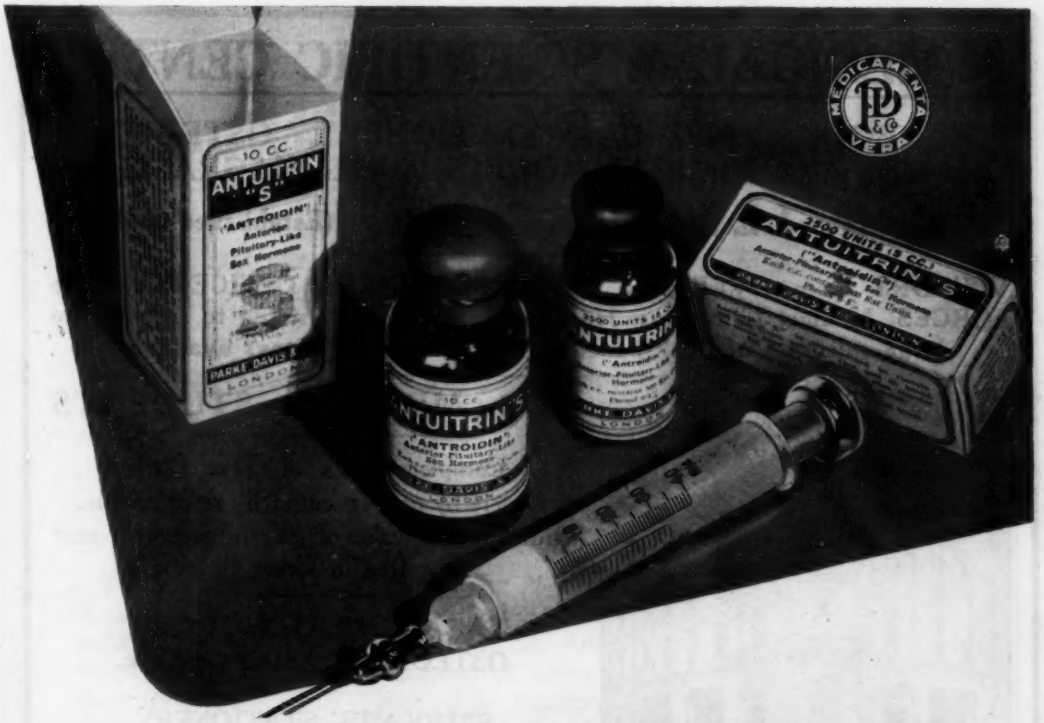


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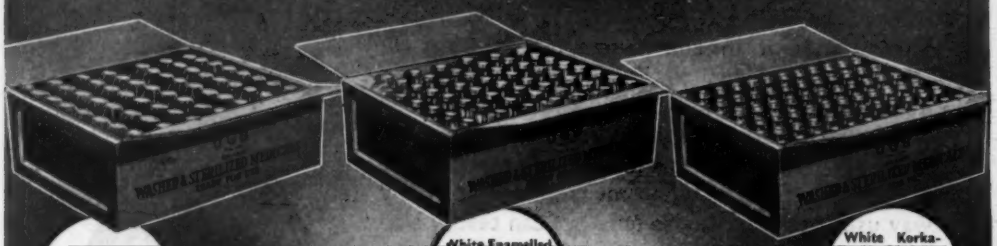

Cork-Mouth. Photograph of actual package of Cork-mouth bottles with cover removed.

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White Korkalite Moulded Cap. Photo of actual package of bottles with White Korkalite Moulded Caps.

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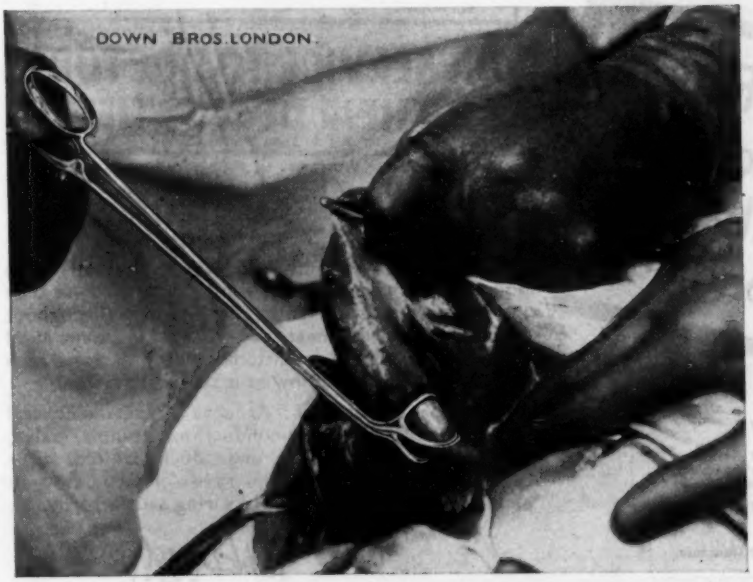


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| Monday, 27th May. | 10–11.30 A.M. | Prevention of War Epidemics, including Typhoid and Paratyphoid. |
| | 11.30–1 P.M. | Effort Syndrome. |
| | 1.30–3 P.M. | Trench Nephritis and Epidemic Jaundice. |
| | 3–4 P.M. | Practical Management of Wound Shock. |
| Tuesday, 28th May. | 10–11.30 A.M. | Prevention of War Epidemics, including Typhoid and Paratyphoid. |
| | 11.30–1 P.M. | Food Poisoning. |
| | 1.30–3 P.M. | Protective Inoculation with Special Reference to Tetanus. |
| | 3–4 P.M. | Dysentery and Diarrhœa. |
| Wednesday, 29th May. | 10–11.30 A.M. | Dietetic Deficiencies in War. |
| | 11.30–1 P.M. | Malaria. |
| | 1.30–3 P.M. | Treatment of Gas Casualties. |
| | 3–4 P.M. | Skin Diseases in Wartime. |
| Thursday, 30th May. | 10–11.30 A.M. | Diagnosis and Treatment of Tetanus. |
| | 11.30–1 P.M. | Sunstroke and Heatstroke. |
| | 1.30–3 P.M. | Frostbite and Protection from Cold. Clothing and Equipment in Hot Climates. |
| | 3–4 P.M. | War Neuroses. |
| Friday, 31st May. | 10–11.30 A.M. | War Neuroses. |
| | 11.30–1 P.M. | The Treatment of Cerebrospinal Fever. |
| | 1.30–3 P.M. | Typhus Fever. |
| | 3–4 P.M. | Prescribing in Wartime. |

Lecturers will be notified later.

The fee for the course will be £1 1s., but no fee will be charged in the case of Officers of the Armed Forces who submit a leave certificate and register their names before the commencement of the course.

Applications for tickets should be addressed to the Dean, British Postgraduate Medical School, Ducane Road, London, W.12.

## THE CLINICAL RESEARCH ASSOCIATION, LTD.

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M. CANDELET, Secretary.

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CHEST DISEASES, Brompton Hospital, Mondays and Thursdays, 5 p.m., May 6th to 30th; HEART AND LUNG DISEASES, London Chest Hospital, Wednesdays and Fridays, 6 p.m., May 29th to June 21st; NEUROLOGY, West End Hospital for Nervous Diseases, afternoons, June 3rd to 14th.

Apply FELLOWSHIP OF MEDICINE, 1, Wimpole Street, London, W.1. (LANgham 4266.)

**M.I.S.CH.**—These designatory letters after a CHIROPODIST'S name indicate that he or she is a MEMBER of the INCORPORATED SOCIETY OF CHIROPODISTS. Founded 1912. Patron: His Grace the Duke of Portland, K.G., P.C., G.C.V.O. The Society is a recognised qualifying body of the Board of Registration of Medical Auxiliaries, and its Panel of Examiners in Medical Subjects is approved by the Royal College of Physicians and Royal College of Surgeons of England respectively. The regulations of the Society PROHIBIT members from advertising, but names and addresses of chiropodists in the district who are Members of the Society, and also information regarding training for Membership, may be obtained from the Secretary, Incorporated Society of Chiropodists, 21, Cavendish-square, London, W.1. (Tele., Langham 3228.)

**University of Glasgow.**

FACULTY OF MEDICINE.

Notice is hereby given that the number of students to be admitted to the First Year Courses in Medicine in October, 1940, will be limited.

Forms of application for permission to commence the study of Medicine then may now be obtained from the undersigned. These forms must be returned by applicants not later than 15th June, 1940.

April, 1940. ROBT. BROUGH, Registrar.

**Society for Relief of Widows and ORPHANS OF MEDICAL MEN.**

(Founded 1788. Incorporated 1864.)

The ANNUAL GENERAL MEETING of the Members of the Society will be held at 11, Chandos-street, Cavendish-square, W., on Wednesday, May 15th, at 5 o'clock P.M. precisely, to transact the usual business of such meetings and to elect officers for 1940–41. E. J. BLACKETT, Secretary.

11, Chandos-street, Cavendish-square, W., May 1st, 1940.

Telegraphic Address: "Relief, Old Catton." Telephone: 290 Norwich.

**NERVOUS & MENTAL AFFECTIONS**

*Ladies only received*

**The Grove, Old Catton, Norwich.**

A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.

For full particulars apply to the Misses McLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

**HEIGHAM HALL, NORWICH**

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL.

Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

**STRETTON HOUSE,**

**Church Stretton, Shropshire.**

ESTABLISHED IN 1853.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Patients under the provisions of the Mental Treatment Act, 1930. Bracing hill country. See "Medical Directory," p. 2358.—Apply to the Medical Superintendent. 'Phone 10 P.O., Church Stretton.

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**PINNER, MIDDLESEX.**

**Telephone: PINNER 234.**

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.

DOUGLAS MACAULAY, M.D., D.P.M.

**CITY OF LONDON MENTAL HOSPITAL**

**Near DARTFORD, KENT.**

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of £2 9s., and upwards.

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**For Mental Cases with or without Certificates.**

*Ordinary Terms: Five Guineas per week (including Separate Bedrooms for all suitable cases without extra charge).*

For forms of admission, &c., apply to the Resident Physician, CEDRIC W. BOWER.

INTERVIEWS IN LONDON BY APPOINTMENT.

**ALCOHOLISM**

*Drug Habits, and Nervous Disorders*

25 minutes from London, situated in charming grounds and country, is a "home from home" for those seeking rest and treatment under medical supervision. Fees from 6 guineas. Illustrated brochure on application to the matron.

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**OLD HILL HOUSE**

**CHISLEHURST, KENT.**

**THE ARCHER NERVE TRAINING COLONY**

**LANGLEY RISE, KING'S LANGLEY, HERTS.**

Started 35 years ago by the late Mrs. William Archer for the special treatment of **FUNCTIONAL NERVOUS DISORDERS** by a system of Relaxation correlated with training in Nerve Control. Home life in separate houses in charming grounds; 20 miles from London; Chalets for resting. Eurhythmics, Voice Production, Occupational Therapy, etc. **RECEPTION AREA, OFFICIAL AIR-RAID SHELTERS INSTALLED.**

All applications to the Secretary, King's Langley. Telephone: King's Langley 7519. The "**FRANCES ARCHER**" Centre, 30, Dorset Square, N.W.1, is temporarily closed.

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Please address all communications W. WALSH, Secretary.

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In conjunction with the MALE NURSES' ASSN.

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for

**FUNCTIONAL NERVOUS DISORDERS**

**OLD ROAD, HEADINGTON, OXFORD**

The above Hospital of 26 beds for patients of both sexes has recently been opened for the active treatment of neuroses, psychoneuroses, and allied disorders. Full facilities for special investigations are available.

The Hospital, which has extensive grounds, occupies a quiet and healthy situation on the outskirts of Oxford.

Fees are from £4 . 14 . 6 per week.

*Applications for admission should be made to The Medical Director, R. G. McInnes, Esq., M.R.C.P.E., D.Psych. Telephone: 6599 Oxford.*

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FARMING and OPEN AIR OCCUPATION for PATIENTS

A few vacancies in 1st and 2nd Class Houses.

FEES: 1st Class (men only) from £5 5s. per week upwards.
2nd Class (men and women) 32/- per week.

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**CHERTSEY, SURREY**

Reception area London 20 miles Grounds of 10 acres

A Private Home for Patients receiving Psychotherapy or other special mental treatment. Inclusive fees from 10 guineas

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A modern country house NURSING HOME in Cornwall for the PREVENTION and TREATMENT of NERVOUS ILLNESSES. Six patients only taken; active therapy available. Fine situation on quiet inlet of sea.

Apply Resident Physician. Tel.: Pullar-Strecker, Mawnan Smith 76.

# THE COPPICE, NOTTINGHAM.

**HOSPITAL FOR MENTAL DISEASES.**

President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

Telephone: 64117 Nottingham.

# Grove House, All Stretton, Church

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A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

Apply to Dr. McCLINTOCK, Proprietor and Resident Medical Superintendent.

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*FOR THE UPPER AND MIDDLE CLASSES ONLY.*

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, K.G., C.M.G., A.D.C.

MEDICAL SUPERINTENDENT: THOMAS TENNENT, M.D., M.R.C.P., D.P.H., D.P.M.

This Registered Hospital is situated in 130 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble; temporary patients, and certified patients of both sexes are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

### WANTAGE HOUSE

This is a Reception Hospital in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the complete investigation and treatment of Mental and Nervous Disorders by the most modern methods; insulin treatment is available for suitable cases. It contains special departments for hydrotherapy by various methods, including Turkish and Russian baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical baths, Plombieres treatment, etc. There is an Operating Theatre, a Dental Surgery, an X-Ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High-frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research. Psychotherapeutic treatment is employed when indicated.

### MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupational therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

### BRYN-Y-NEUADD HALL

The seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North-West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout-fishing in the park.

At all the branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard courts), croquet grounds, golf courses, and bowling greens. Ladies and gentlemen have their own gardens, and facilities are provided for handicrafts, such as carpentry, etc.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

# PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." Telephones: Rodney 2641 and 2642.

The above House is for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified voluntary and temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. Occupational therapy, physical drill, and other forms of modern treatment. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor drives are arranged when required. Tennis courts. Entertainments, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

# CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

***For the treatment of MENTAL DISORDERS.***

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds. Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel. **Shock and also modified Insulin Therapy.**

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by a resident Medical Staff, and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

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First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the Treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air, SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-ray controlled). TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms: 5 to 7½ Guineas a week inclusive.**

*Med. Supt.:* GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* G. N. BARKER, F.R.C.S. Edin., D.L.O. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S.R.C.S. Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman Birdlip."

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Well situated on high ground and surrounded by pines and heather.
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Southern aspect. Low rainfall. Pure bracing air. Sheltered grounds. Beautiful surroundings. All modern equipment for diagnosis and treatment, including operating theatre. **No extra charge for X Rays, Artificial Pneumothorax, Ultra-Violet Light, or other special treatment.**

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# CRICHTON ROYAL, DUMFRIES

**For NERVOUS AND MENTAL DISORDERS**

Separate Villa for patients suffering from the effects of alcoholism and drug addiction. Every facility for complete investigation and individual treatment on the most modern lines. Fully equipped gymnasium, golf course, and indoor swimming pool. Specially trained occupational and recreational therapists. **Special Department for Insulin Therapy.** As the hospital is well endowed terms are exceptionally moderate, e.g., First Department from 3 guineas per week, Second Department, 2 and 2½ guineas per week. Voluntary and certified patients are received. Medical Certificates given anywhere in the British Isles are valid for admission of patients. *For prospectus, necessary forms, and further information apply to :—*

Physician Superintendent, P. K. McCowan, J.P., M.D., F.R.C.P., D.P.M., Barrister-at-Law. Tel. Dumfries 1119.

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**Residential treatment of**

## "Nervous Disorders" & Alcoholism

(Certifiable cases are not received)

This beautiful mansion situated in the heart of the country (less than two hours from London by L.M.S.R.) and surrounded by charming pleasure grounds in which games and outdoor occupational therapy are available is devoted to the treatment of Alcoholism and "Nerves" by psychotherapeutic and ancillary methods.

*Illustrated Brochure and particulars obtainable from A. E. CARVER, M.D., D.P.M., Resident Medical Superintendent.*

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This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

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*A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.*

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

**CONVALESCENT HOME AT BOURNEMOUTH** Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 3216 and 3217.

# HAYDOCK LODGE,

## NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders, Alcoholism and Drug addiction, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

# NORTHUMBERLAND HOUSE

GREEN LANES,

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A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Six acres of ground facing Finsbury Park. Voluntary and Temporary Patients received without certification. Occupational Therapy, Psychotherapy, and other modern forms of treatment. Air-raid Shelters have been provided.

*Telephone:* Stamford Hill 2688. *Telegrams:* "SUBSIDIARY, LONDON."

Convalescent Home, KEARSNEY COURT, DOVER.

For further particulars apply to the MEDICAL SUPERINTENDENT.

# HOLLOWAY SANATORIUM VIRGINIA WATER

**A Registered Hospital for the Treatment of MENTAL DISORDERS of the EDUCATED CLASSES. Founded by THOMAS HOLLOWAY in 1885.**

This Institution is situated in a beautiful and healthy locality within easy reach of London. It is fitted with every comfort. Patients can have Private Bedrooms and Special Nurses as well as the use of General Sitting Rooms, at moderate rates of payment. Voluntary Patients can be admitted.

There is a Branch Establishment at CANFORD CLIFFS, BOURNEMOUTH, where Patients can be sent for a change and be provided with all the comforts of a well-appointed home.

*For Terms, apply to—*

**The RESIDENT MEDICAL SUPERINTENDENT, St. Ann's Heath, Virginia Water, SURREY**

# SHAFTESBURY HOUSE

FORMBY-BY-THE-SEA
Nr. LIVERPOOL

Specially built and licensed for the care and treatment of a limited number of Ladies and Gentlemen suffering from NERVOUS and MENTAL breakdown. Voluntary and certified patients received. Ladies also admitted as Temporary Patients without certification. Terms moderate. *Apply*, RESIDENT PHYSICIAN, who may be seen in Liverpool, by appointment. *Tel. No. 8 Formby.*

# COURT HALL, KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS

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FOR EARLY AND CONVALESCENT CASES

Recreational Therapies are held daily by skilled Leaders

The house stands high with spacious balconies and extensive views of the South Devon Coast. Beautiful garden. Own Dairy in 25 acres. Private road to beach.
There is also a charming house, EBWORTHY, MANATON, DARTMOOR, situated in 20 acres, 1100 ft. up for bracing moorland air.

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Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

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A Private Home for the Care and Treatment of a limited number of LADIES with Mental and Nervous Disorders. Certified, Voluntary, and Temporary Patients received. Mansion with 12 acres of ground. (*See Medical Directory*, p. 2346.) Apply Resident Physician. Telephone: Little Chalfont 2046. Station: Chalfont and Latimer.

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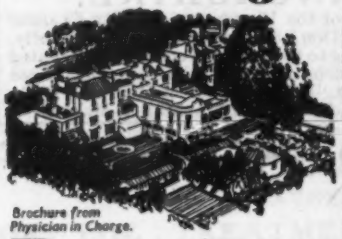

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*(in association with fully licensed Downs Hotel)*

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For LADIES and GENTLEMEN of Unsound Mind.

Terms moderate. Apply to Resident Medical Superintendent. Telegrams: ADAM WEST MALLING. Telephone No. 2: MALLING.

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A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

*For further particulars apply—*

Dr. ERNEST ROLLINS, Resident Physician.

*Tel.:* Amherst 1642.

## Littleton Hall, Brentwood, Essex.

(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received.
Apply to Dr. HAYNES. Tel.: Brentwood 45.

## King Edward Memorial Hospital,

Mattock-lane, Ealing, W.13.

CASUALTY OFFICER AND DEPUTY RESIDENT MEDICAL OFFICER (Male) required immediately; six months' appointment with possibility of re-election for a further period. Salary £225 per annum, with usual residential emoluments.

Applications, stating age, experience, and qualifications, together with copies of two recent testimonials, should be sent to the undersigned as soon as possible.

R. A. MICKELWRIGHT, House Governor.

## Royal Eye Hospital,

St. George's-circus, S.E.1.

ASSISTANT HOUSE SURGEON required at the above Hospital. The appointment is in the first instance for a period of six months, with board and residence. Salary £100 per annum. Candidates must be duly registered Medical Practitioners.

Applications, with copies of three recent testimonials, should be sent to the Secretary not later than Monday, 13th May.

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Postal or Oral Preparation for all Medical Examinations.

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| M.S. (Lond.), 1901-39 (including 4 Gold Medallists) .. | 24 |
| M.B., B.S. (Lond.), *Final*, 1901-39 (completed exam.) .. | 368 |
| F.R.C.S. (Eng.), 1901-39 .. Primary 300 ; Final | 240 |
| D.P.H. (various), 1901-39 (completed exam.) .. .. | 366 |
| F.R.C.S. (Edin.), 1901-39 .. .. .. .. .. | 90 |
| M.R.C.P. (Lond.), 1901-39 .. .. .. .. .. | 342 |
| M.R.C.S., L.R.C.P., *Final*, 1901-39 (completed exam.) .. | 728 |

M.D. (various), by Thesis. Many Successes.

D.O.M.S., D.L.O., D.P.M., &c. Many Successes.

**MEDICAL PROSPECTUS (36 pages),**

sent gratis, along with List of Tutors, &c., on application to the Principal, 17, Red Lion-square, London, W.C.1. (Telephone: Holborn 6313.)


## London County Council.

Applications invited from Medical Practitioners of at least one year's standing for undermentioned position. Experience in resident appointment in general hospital for at least six months desirable. Married quarters not available.

QUEEN MARY'S HOSPITAL FOR CHILDREN, Carshalton, Surrey (1284 Beds).—There are special departments for rheumatic and orthopædic conditions, for congenital malformations, and for nutritional diseases.

TEMPORARY ASSISTANT MEDICAL OFFICER (Class I). £350–£25–£425, with board, lodging, and washing.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health (Staff Division 2), County Hall, S.E.1, returnable by 14th May.

Canvassing disqualifies.

## Borough of Edmonton.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited from qualified Medical Practitioners holding the Diploma in Public Health, Sanitary Science, or State Medicine for the position of Assistant Medical Officer of Health and Assistant School Medical Officer.

Candidates must be under forty-five years of age and the person appointed will be required to carry out Medical Inspections of School-children, bacteriological work, and administer dental anæsthetics and perform such other duties as may be allotted, as Assistant to the Medical Officer of Health and School Medical Officer.

The person appointed will be required to devote the whole time to the duties and will not be allowed to engage in private practice and will be required to reside within the Borough or within one mile of its boundaries.

The salary will be at the rate of £550 per annum, rising to £700 per annum by annual increments of £25.

The post will be an established post for the purposes of the Local Government Superannuation Act, 1937, and the person appointed will be required to contribute to the Superannuation Fund and to pass a medical examination by the Council's Medical Officer of Health.

Copies of application forms and terms of appointment may be obtained on application to me, the undersigned.

Applications, accompanied by copies of not more than three testimonials of recent date, must be delivered to me not later than 12 o'clock NOON on Saturday, the 25th May, 1940.

Canvassing, either directly or indirectly, will be a disqualification.

By Order.
FREDK. W. CLAXTON, Town Clerk.

Town Hall, Edmonton, N.9, 3rd May, 1940.

## British Postgraduate Medical School.

There is a vacancy for an OBSTETRIC HOUSE SURGEON in the DEPARTMENT OF GYNÆCOLOGY AND OBSTETRICS, British Postgraduate Medical School, Hammersmith Hospital. The appointment is for six months and not renewable. Salary £105 per annum, with board, residence, and laundry. Duties commence on the 1st June, 1940.

Applications from Practitioners eligible for military service will not be considered. An exception to this condition will be made in the case of those who have been qualified less than six months.

Applications, with copies of testimonials, should be sent to the Dean, British Postgraduate Medical School, Ducane-road, London, W.12, to arrive not later than first post on Tuesday, 14th May, 1940.

## British Postgraduate Medical School.

There is a vacancy for Five HOUSE PHYSICIANS in the DEPARTMENT OF MEDICINE, British Postgraduate Medical School, Hammersmith Hospital. The appointment is for six months and not renewable. Salary £105 per annum, with board, residence, and laundry. Duties commence on June 1st, 1940.

Applications from Practitioners eligible for military service will not be considered. An exception to this condition will be made in the case of Practitioners who have been qualified less than six months

Applications, with copies of testimonials, should be sent to the Dean, British Postgraduate Medical School, Ducane-road, London, W.12, to arrive not later than first post on Tuesday, May 14th, 1940.

## Royal Chest Hospital,

City-road, E.C.1.
(Royal Northern Group of Hospitals.)

Applications are invited for the following post :—

HOUSE PHYSICIAN (Male). Vacant 1st June for a period of six months. Salary at the rate of £200 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by the 17th May to the undersigned, from whom the necessary forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.

Royal Northern Hospital, Holloway, London, N.7.

## The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter)
Fulham Road, London, S.W.3.

Applications are invited for the post of HOUSE SURGEON to commence duties on the 1st July, 1940.

Salary at the rate of £100 per annum. The appointment is for six months, and subject to rules, a copy of which may be obtained from the Secretary.

Applications, to be made on a form which will be supplied by the Secretary, together with copies only of three recent testimonials, should be sent to the Secretary not later than the first post on Thursday, 16th May, 1940.

CLEMENT COBBOLD, Secretary.

## The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter)
Fulham Road, London, S.W.3.

Applications are invited for the post of ASSISTANT RADIUM THERAPIST (full-time).

Applicants must be registered Medical Practitioners, who hold a Diploma in Radiology.

The appointment will be for the duration of the War, commencing on the 1st June, 1940, at a salary at the rate of £400 per annum.

Applications, to be made on a form which will be supplied by the Secretary, together with copies only of three recent testimonials, should be sent to the Secretary not later than the first post Thursday, 16th May, 1940.

CLEMENT COBBOLD, Secretary.

## The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter)
Fulham Road, London, S.W.3.

Applications are invited for the post of HOUSE SURGEON (Resident) to be attached to the RADIUM DEPARTMENT. Candidates must be registered Medical Practitioners.

Salary £100 per annum.

Facilities afforded for Post-Graduate Study.

The appointment is for six months, commencing 1st June, 1940.

Applications, to be made on a form which will be supplied by the Secretary, together with copies only of three recent testimonials, should be sent to the Secretary not later than the first post on Thursday, 16th May, 1940.

CLEMENT COBBOLD, Secretary.

## London Hospital, E.1.

Applications are invited for the post of CHIEF ASSISTANT (full-time) to the RADIOTHERAPY DEPARTMENT. Candidates (Male or Female) must be fully qualified medically and hold a radiological qualification. Salary at the rate of £400 per annum. Non-resident. The initial appointment will be for six months, renewable half-yearly up to a maximum period of three years.

Applications, together with copies of testimonials, should be sent to the House Governor, from whom further particulars may be obtained and should arrive not later than Saturday, 18th May, 1940. H. BRIERLEY, House Governor.

## Westminster Hospital, St. John's

Gardens, S.W.1.

The House Committee invite applications for the office of PHYSICIAN for DISEASES OF THE SKIN to this Hospital. Gentlemen desirous of becoming candidates must be Fellows or Members of the Royal College of Physicians, London. Each candidate will be required to transmit a certificate of his age and thirty copies each of an application and testimonials to the undersigned not later than Saturday, 11th May, 1940.

The Assistant Physician for Diseases of the Skin is a candidate for the post.

By Order of the House Committee.
CHARLES M. POWER, Secretary.

## Metropolitan Borough of HAMMERSMITH.

PUBLIC HEALTH DEPARTMENT.

APPOINTMENT OF AN ASSISTANT MEDICAL OFFICER (MATERNITY AND CHILD WELFARE).

Applications are invited from registered Medical Women for the appointment of Assistant Medical Officer (Maternity and Child Welfare). Applicants must have had at least three years' experience in the practice of their profession and special experience in midwifery and child welfare work.

The successful candidate will be required to devote her whole time to the duties of the office. The principal duties will be to conduct infant welfare consultations and ante-natal clinics. The successful candidate will be required to work under the direction of the Medical Officer of Health and to perform such other duties in the Public Health Department as may be required.

Salary £500, rising by annual increments of £50 to £700 per annum, subject to satisfactory service.

The appointment will be subject to the provisions of the Council's Superannuation Scheme; and the successful candidate will be required to pass a medical examination.

Forms of application, for which a stamped addressed envelope should be enclosed, may be obtained from the undersigned, to whom they must be submitted, together with copies of three recent testimonials, in envelopes endorsed "Appointment of Assistant Medical Officer," not later than Wednesday, 15th May, 1940.

Canvassing members or officers of the Council is strictly prohibited and will disqualify candidates. The Council do not bind themselves to appoint any of the candidates.

HUGH ROYLE, Town Clerk.

Town Hall, Hammersmith, W.6.

## Middlesex County Council.

RESIDENT ASSISTANT MEDICAL OFFICER (Female),* preferably M.R.C.O.G. or D.R.C.O.G., for MIDDLESEX COUNTY MATERNITY HOSPITAL, Bushey Heath, Herts. Salary £400–£25–£475 per annum. Special experience and knowledge of Obstetrics. Whole-time duties (as County Council may direct) under Medical Superintendent and Obstetric Surgeon of Redhill County Hospital—under which Maternity Hospital is administered as an annexe. Medical charge of 50 Beds and attendance at antenatal clinics at Redhill.

RESIDENT ASSISTANT MEDICAL OFFICERS (Two)*† for
(a) REDHILL COUNTY HOSPITAL, Edgware, Middlesex;
(b) WEST MIDDLESEX COUNTY HOSPITAL, Isleworth, Middlesex;
with good knowledge of Medicine and Surgery. Salary £400–£25–£475 per annum. Whole-time duties under supervision of Medical Superintendent, mainly medical in both cases as County Council may direct.

*Must be registered Medical Practitioners, who have held resident appointments in general hospitals.

Four years' appointment only, subject to medical examination, and one month's notice. Council may (in special cases) retain on established staff at £500 per annum maximum. Emoluments—board, lodging, and laundry.

Applications to the undersigned, "B3." No application forms provided. Relationship to any member or officer of Council to be disclosed. Copies of three recent testimonials. Canvassing, directly or indirectly, will disqualify. Closing date 11th May.

†Please state clearly for which appointment application is made.

C. W. RADCLIFFE, Clerk of the County Council.

Guildhall, Westminster, S.W.1.

## St. Marylebone & Western General DISPENSARY,

48, Cosway Street, N.W.1.

Applications are invited for the post of HONORARY MEDICAL OFFICER of the Infant Consultations and Children's Department, for the duration of the war. Every candidate for the office must have a degree in medicine of a recognised university of the British Empire or a diploma of the Royal College of Physicians. Applications and copies of testimonials should be forwarded to the Secretary not later than the 17th May, 1940.

## Mildmay Mission Hospital,

Austin-street, Bethnal Green, E.2.

Applications are invited for the post of JUNIOR RESIDENT MEDICAL OFFICER (Male), which becomes vacant in June. Salary £100 per annum, with board, residence, and laundry. The appointment is for six months.

Candidates must be registered under the Medical Acts, and the Mildmay Council is anxious that they should be fully in sympathy with the religious work of the Hospital.

Applications, with copies of recent testimonials, should be sent to the Medical Superintendent by May 16th.

## The Duchess of York Hospital for BABIES, MANCHESTER. (80 Beds.)

Applications are invited for the post of SENIOR RESIDENT MEDICAL OFFICER.

Appointment for six months as from 1st May, 1940.

Salary at the rate of £175 per annum, including laundry.

Previous Hospital experience essential.

Applications, together with copies of testimonials, to be sent to the Secretary by the 7th May.

LOUISE GILLESPIE, Secretary.

## City of Birmingham.

PUBLIC ASSISTANCE COMMITTEE.

ERDINGTON HOUSE.

ASSISTANT RESIDENT MEDICAL OFFICER.

Applications are invited from fully qualified Medical Practitioners for appointment as Assistant Resident Medical Officer at Erdington House, Birmingham.

The Institution, which is approved for the purposes of the D.P.M., has accommodation for approximately 1570 inmates and is set apart for the reception of all classes of mental and nervous disorder. The admission-rate is 1300 per annum. Parts of the Institution are certified under the provisions of the Mental Deficiency Acts, 1913–27. There are facilities for research on the pathological and biological side, and the appointment gives opportunities for post-graduate study.

The officer appointed will be required to assist in the general medical work of the Institution under the supervision of the Senior Medical Officers.

The appointment will be for a period of twelve months. The salary attached to the appointment will be at the rate of £300 per annum, together with full residential emoluments (rations, apartments, laundry, and attendance).

Four weeks' leave of absence will be granted to the successful candidate during the term of office.

The appointment will be subject to one month's notice on either side.

Any further particulars as to the Institution and/or duties may be obtained upon application to the Medical Officer of the Institution, DR. H. T. KIRKLAND, to whom applications, stating age, experience, and qualifications, accompanied by copies of recent testimonials, should be forwarded so as to reach him no later than 10 A.M. on Saturday, 18th May, 1940.

Canvassing in any form, oral or written, direct or indirect, will be regarded as a disqualification.

F. H. C. WILTSHIRE, Town Clerk.

Council House, Birmingham, 1, 1st May, 1940.

## City of Birmingham.

MENTAL DEFICIENCY ACT COMMITTEE.

MONYHULL COLONY.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for the post of Resident Assistant Medical Officer (Lady) in the above Colony. Candidates should have held house appointment in a General Hospital.

The scale of salary is £350 by £25 to £450 per annum, with full residential emoluments, and a further £50 per annum is payable for a recognised post-graduate qualification in psychological medicine.

The Colony includes a Residential Special School, and excellent opportunities for learning the psychology of mental deficiency.

After a period on probation and the passing of a satisfactory medical examination, the appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909, as modified by the Asylums and Certified Institutions (Officers' Pensions) Act, 1918. All fees and emoluments received other than the above must be repaid to the City Council.

Applications, with full particulars, to be sent in the first place to Dr. C. J. C. EARL, Medical Superintendent, Monyhull Colony, King's Heath, Birmingham, 14.

## County Borough of Halifax.

ASSISTANT MEDICAL OFFICER OF HEALTH—MATERNITY AND CHILD WELFARE (Female).

Applications are invited from duly qualified and registered Medical Practitioners for the post of Whole-time Assistant Medical Officer of Health—Maternity and Child Welfare (Female).

Applicants must be experienced in Antenatal work, Midwifery, and Children's Diseases, and will be required to hold consultations at the Antenatal and Maternity and Child Welfare Centres in the County Borough of Halifax, and to perform such other duties as appertain to the office.

The person appointed will be a member of the Staff of the Medical Officer of Health and will work under his control and direction. She will be required to devote her whole time to the duties of her office and not to engage in private practice of any description.

The salary offered is £500 per annum, rising by annual increments of £25 to £700, and the post will be subject to the provisions of the Local Government Superannuation Act, 1937.

Applications must be made on the prescribed form, to be obtained from the undersigned, and delivered, accompanied by copies of three recent testimonials, not later than first post on Tuesday, 21st May, 1940, endorsed "Assistant M.O.H.—Maternity and Child Welfare," and addressed to the Town Clerk, Town Hall, Halifax.

Canvassing, either directly or indirectly, will be a disqualification.

PERCY SAUNDERS, Town Clerk.

Town Hall, Halifax, 29th April, 1940.

## Altrincham General Hospital.

(100 Beds—2 Residents.)

Applications are invited for the post of HOUSE SURGEON. Salary at the rate of £120 per annum, with board, &c., to commence duty as soon as possible (six months' appointment).

Applications, stating age, nationality, qualifications, &c., to be addressed to the undersigned as soon as possible.

E. A. BIDEN, Secretary.

## The Royal Hospital, Wolverhampton.
(Incorporated under Royal Charter.)

HOUSE SURGEONS (2) (GENERAL SURGERY)
HOUSE SURGEON (EAR, NOSE, AND THROAT DEPARTMENT).
CASUALTY OFFICER. Duties to commence forthwith.

Applications are invited for the above resident posts.

The Hospital contains 300 Beds, includes the usual special departments, and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts, and unmarried.

The appointments are for six months. Salary £100 per annum. Board, furnished room, and laundry provided.

Applications, with copies of testimonials, to be forwarded to the undersigned.

W. H. HARPER, House Governor.

Wolverhampton, 29th April, 1940.

## Taunton and Somerset Hospital.
(132 Beds.)

HOUSE PHYSICIAN required. Two House Surgeons also in residence. Salary at the rate of £125 per annum, with board, lodging, and laundry, and the retention of certain fees.

Applications, with copies of not more than three recent testimonials, to F. J. J. STACEY, Secretary, Taunton & Somerset Hospital, Taunton, Somerset.

## Royal Halifax Infirmary.

Hospital recognised by the Royal College of Surgeons (England).

Wanted, a SECOND HOUSE SURGEON, Male or Female. Candidates must be duly qualified and registered. Salary £175 per annum, with residence, board, and laundry.

Also wanted, a CASUALTY OFFICER, Male or Female, in charge of Fracture Clinic. Candidates must be duly qualified and registered. Salary £150 per annum, with residence, board, and laundry.

Salary in both cases to include all services required in connection with Paying Patients' Ward.

The Resident Staff consists of Resident Surgical Officer, House Physician, two House Surgeons, and Casualty Officer. The Hospital contains Maternity and Paying Patients' Blocks. Also a Pathological Department, a large Eye, Ear, Nose, and Throat Department, Radiological Department, and Radium Clinic.

Particulars of the duties may be obtained from the undersigned, to whom applications, stating age and nationality, together with testimonials, should be sent.

29th April, 1940. A. MIDGLEY, Secretary.

## Birmingham and Midland Hospital for WOMEN.

HOUSE SURGEON (Man or Woman) wanted for six months from 1st July, 1940. Salary to be at the rate of £100 per annum.

Applications, with full particulars and copies of testimonials, to be sent not later than 18th May to HUGH C. ASTON, 45, Newhall-street, Birmingham, 3.

## Royal Sheffield Infirmary and Hospital.

The Court of Management invite applications from candidates holding the Diploma of Anæsthesia for the office of Whole-time Non-resident ANÆSTHETIST chiefly to the NEUROLOGICAL CLINIC. Some private practice in this specialty will be allowed. Salary £350 to £450 per annum, according to experience.

W. H. BOOTH, Secretary.

Royal Hospital, Sheffield, 1.

## Northamptonshire County Council.

APPOINTMENT OF ASSISTANT TUBERCULOSIS OFFICER AND ASSISTANT RESIDENT MEDICAL OFFICER OF SANATORIUM.

Applications are invited from registered Medical Practitioners, with experience of modern methods of diagnosis and treatment of tuberculosis, for the appointment of Assistant Tuberculosis Officer and Assistant Resident Medical Officer at RUSHDEN HOUSE SANATORIUM, comprising 70 Beds for adult male and female patients, together with a recently erected treatment block.

The salary will be on the scale of £420 per annum, rising by increments of £25 per annum to £620 per annum, plus furnished quarters, heating, lighting, and rations, valued at £80 per annum, but the initial salary may be fixed according to the experience of the candidate appointed at a higher figure but not exceeding £520 per annum, plus the emoluments above referred to. Travelling allowances will be paid on the scale approved by the Council. The appointment is subject to the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

The Officer will be required to devote his whole time to the duties of the office and to discharge, under the direction of the County Medical Officer of Health and of the Tuberculosis Officer and Medical Superintendent, the routine medical duties of the Sanatorium and such other duties in connexion with the Tuberculosis Scheme of the Council as may be assigned to him.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, should reach the undersigned not later than the 18th May, 1940.

Canvassing will disqualify.

J. ALAN TURNER, Clerk of the County Council.

County Hall, Northampton, 30th April, 1940.

## Preston and County of Lancaster.
QUEEN VICTORIA ROYAL INFIRMARY.
(404 Beds.)

Applications are invited for the following vacant posts which are also open to Women Practitioners:

HOUSE SURGEON. Duties under Consulting Surgeon. This post is recognised as approved experience for the F.R.C.S. Diploma.

HOUSE SURGEON to EYE, EAR, NOSE, AND THROAT DEPARTMENTS. Duties in Special Wards and Clinics.

Salary in each case at the rate of £150 per annum, with board, residence, and laundry. Six months' appointment.

Applications, stating age and qualifications, accompanied by copy testimonials, to be forwarded to the undersigned immediately.

JOHN GIBSON, Superintendent and Secretary.

## County Borough of Preston.

SHAROE GREEN HOSPITAL.
(250 Beds.)

JUNIOR ASSISTANT RESIDENT MEDICAL OFFICER (Female).

Applications are invited from fully qualified and registered Practitioners for the above appointment. Salary at the rate of £100 or £150 per annum, according to experience, with full board and residence. The appointment will be for a period of six months and can be renewed for a period not exceeding six months.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be forwarded to the Medical Superintendent, Sharoe Green Hospital, Fulwood, Preston.

## Surrey County Council.

PUBLIC HEALTH DEPARTMENT.

ASSISTANT MEDICAL OFFICER (OBSTETRICAL).

Applications are invited for the above temporary resident appointment at REDHILL COUNTY HOSPITAL, Earlswood Common, Redhill, which has 40 Obstetric Beds. The duties will be primarily obstetrical, and the salary will be at the rate of £350 per annum, plus full residential emoluments valued at £125 per annum.

It is anticipated that the appointment will be available for the duration of the war, as the permanent obstetrical officer has been transferred to a special war-time appointment.

Applications, stating age and experience, and enclosing copies of not more than three testimonials, should be sent to the Medical Superintendent of the Hospital so as to reach him not later than the 15th May, 1940.

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-upon-Thames, 3rd May, 1940.

## Calderstones Emergency Hospital,
WHALLEY, near BLACKBURN.

APPOINTMENT OF RESIDENT HOUSEMEN.

Applications are invited for the positions of Resident Housemen (Male or Female) at the CASUALTY UNITS (under the Emergency Hospital Scheme of the Ministry of Health).

The salary to be paid will, in accordance with qualifications and experience, be £200 per annum, in addition to the usual residential emoluments.

Candidates must be of British nationality.

Applications, stating age, qualifications, and experience, together with copies of two recent testimonials, to be forwarded to the Medical Superintendent, Calderstones Emergency Hospital, Whalley, near Blackburn, as soon as possible.

## County Borough of Middlesbrough.

HEALTH DEPARTMENT.

HEMLINGTON EMERGENCY HOSPITAL.

Applications are invited for the appointment of ASSISTANT RESIDENT MEDICAL OFFICER at the above Emergency Hospital at a salary of £350 per annum, plus usual residential emoluments.

The successful candidate may, at the Council's discretion, be required to live outside the Hospital, in which case £100 per annum will be payable in lieu of the residential emoluments.

The candidate must have had previous experience as a House Surgeon or House Physician in a General Hospital. He will be directly responsible to a Senior Medical Officer at the Hospital and generally responsible to the Medical Officer of Health.

The successful candidate will be required to pass satisfactorily a medical examination.

Applications, accompanied by copies of three recent testimonials, to be sent immediately to the Medical Officer of Health, Health Department, Municipal Buildings, Middlesbrough.

PRESTON KITCHEN, Town Clerk.

Municipal Buildings, Middlesbrough, 29th April, 1940.

## Bradford City Sanatorium,
GRASSINGTON.

ASSISTANT MEDICAL OFFICER required. Salary £175 per annum, plus board-residence. This appointment is for one year only. Application forms may be obtained from the Medical Officer of Health, Town Hall, Bradford, and should be returned to him not later than the 13th May, 1940.

N. L. FLEMING, Town Clerk.

Town Hall, Bradford, 30th April, 1940.

## Northampton County Mental Hospital.

Applications are invited for the post of MEDICAL SUPERINTENDENT at the County Mental Hospital, Berrywood, near Northampton.

Candidates must be registered Medical Practitioners possessing a Diploma in Psychological Medicine or its equivalent, and must have had Mental Hospital experience. The person appointed will be required to devote the whole of his time to the duties of his office.

The salary will be £900 per annum, rising by annual increments of £50 to £1100 per annum, with unfurnished house, light, laundry, and garden produce, valued at £160 per annum for superannuation purposes. The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909, and is terminable on three months' notice from either party. Canvassing will be deemed a disqualification.

Applications, stating age, experience, and qualifications, and accompanied by not more than three recent testimonials, to be sent to the Clerk to the Visiting Committee, The Mental Hospital, Berrywood, Northampton, not later than 10 A.M. on Thursday, May 9th next, endorsed "Medical Superintendent."

## County Borough of Brighton.

APPOINTMENT OF TUBERCULOSIS OFFICER AND ASSISTANT MEDICAL OFFICER OF HEALTH.

The Council invite applications for the above appointment, at a salary of £800 per annum, rising by biennial increments of £50 to a maximum of £1000, from Male registered Medical Practitioners not exceeding forty-five years of age who possess the qualifications prescribed by the Local Government (Qualifications of Medical Officers and Health Visitors) Regulations, 1930.

Forms of application, together with the qualifications, duties, and conditions required or attached to the position, may be obtained from me.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937.

Applications (with copies of three recent testimonials) and endorsed "Tuberculosis Officer" must be delivered at my Office before Ten o'clock in the FORENOON of Monday, the 20th day of May, 1940.

Canvassing either directly or indirectly will disqualify.

J. G. DREW, Town Clerk.

Town Hall, Brighton, 20th April, 1940.

## City of Manchester.

CRUMPSALL HOSPITAL. (1400 Beds.)
(Recognised under the Regulations for the F.R.C.S.)

The Public Health Committee invites applications from registered Medical Practitioners for the post of RESIDENT ASSISTANT MEDICAL OFFICER at the above-named Hospital.

The salary for the appointment is £200 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Hospitals Administration Section, Box No. 399, Town Hall, Manchester, 2, and applications for the post must be received by him not later than 11th May, 1940.

R. H. ADCOCK, Town Clerk.

Town Hall, Manchester, 2, 23rd April, 1940.

## General Hospital, Nottingham.

(389 Beds.)

A RESIDENT CASUALTY OFFICER (Male or Female) is required at the above Institution. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.

Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned. Duties to commence as soon as possible.

H. M. STANLEY, House Governor and Secretary.

## County Borough of Newport.

PUBLIC ASSISTANCE COMMITTEE.

ASSISTANT RESIDENT MEDICAL OFFICER
(Junior Appointment).

Applications are invited from unmarried registered Medical Practitioners for the above appointment at the PUBLIC ASSISTANCE HOSPITAL, Newport (Mon), under the Emergency Medical Service Scheme. Salary £200, with the usual residential emoluments. All fees received, with the exception of coroner's fees, will be payable to the Public Assistance Committee. The appointment will be for a period of six months in the first instance. Appointment terminable by one month's notice on either side. Consideration will be given to applicants who are not fit for active service in H.M. Forces, or who are over forty-one years of age.

The Hospital is a training school for nurses, further particulars of which will be supplied on application to the Public Assistance Officer, Town Hall, Newport, to whom applications, stating age, nationality, experience, and qualifications, with copies of three recent testimonials, must be forwarded at once.

S. M. T. BURPITT, Town Clerk.

Town Hall, Newport (Mon), April, 1940.



## Devon County Council.

MEDICAL DEPARTMENT.

DEPUTY COUNTY MEDICAL OFFICER.

Applications are invited from duly qualified Medical Practitioners (Male), under forty years of age, for the appointment of Deputy County Medical Officer under the Devon County Council.

Applicants must possess a Diploma in Public Health and have had experience in County Public Health Work.

The appointment will be subject to the Local Government Superannuation Act, 1937.

The salary will be £750 per annum, rising by annual increments of £25 to £900.

Travelling and out-of-pocket expenses in accordance with the Council's Scale will be paid.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, shall be made on the prescribed form, and forwarded so as to reach the County Medical Officer, 4, Barnfield-crescent, Exeter, Devon (from whom copies of application forms and full particulars of the appointment may be obtained), not later than the first post on Friday, 17th May, 1940.

## The Warwickshire and Coventry Joint

COMMITTEE FOR TUBERCULOSIS.

KING EDWARD VII MEMORIAL SANATORIUM, HERTFORD HILL, Near WARWICK.

Applications are invited (from either Men or Women) for the post of Temporary FIRST ASSISTANT MEDICAL OFFICER at the Memorial Sanatorium, near Warwick, of 225 Beds. Some previous experience in the diagnosis and treatment of tuberculosis is desirable.

The salary will be at the rate of £350 per annum, rising by annual increments of £25 to a maximum of £450 per annum, with board, lodging, and laundry in addition.

There are three other Medical Officers at the Sanatorium.

Applications, with copies of testimonials, should be forwarded direct to the Medical Superintendent at the Sanatorium to reach him by not later than Saturday, the 11th May, 1940.

L. EDGAR STEPHENS, Clerk of the Joint Committee.

Shire Hall, Warwick, 22nd April, 1940.

## Oldham Royal Infirmary

(186 Beds—being extended.)

Applications are invited from registered Medical Practitioners for the post of RESIDENT SURGICAL OFFICER (Male).

The appointment in the first instance will be for a period of twelve months, but could be renewed for a further period.

Salary at the rate of £400 per annum, with board, residence, and laundry.

Applicants must be a Fellow of one of the Royal Colleges of Surgeons, and must have had considerable experience in this capacity in a large General Hospital.

Applications, together with copies of three recent testimonials, to be addressed to the President, The Royal Infirmary, Oldham, not later than the 18th May.

Applications previously received will be considered with the present applications.

F. W. BARNETT, General Superintendent and Secretary.

## Hospital Convalescent Home,

PARKWOOD, SWANLEY, KENT.
(For the reception of patients—women and children—in an early stage of convalescence from the London Hospitals. 120 Beds.)

The Trustees of the Home invite applications for the post of RESIDENT MEDICAL OFFICER (Male or Female) which is now vacant. The appointment is for a period of six months. Salary £200 per annum, with quarters and full board. Candidates should have had recent Hospital experience and preferably experience as House Physician to a Children's Department.

Applications, stating age, qualifications, and full details of experience, should be accompanied by copies of three recent testimonials, and addressed to C. M. POWER, Esq., Secretary, Hospital Convalescent Home, c/o Westminster Hospital, London, S.W.1, as soon as possible.

## The Liverpool Hospital for

CONSUMPTION AND DISEASES OF THE CHEST, MOUNT PLEASANT, LIVERPOOL.

Applications are invited for a Full-time RESIDENT MEDICAL OFFICER to the Hospital for Consumption and Diseases of the Chest.

Previous Hospital experience desirable.

Both medical and surgical treatment of Pulmonary Tuberculosis are undertaken at this Hospital.

The appointment will be for a period of one year. Salary £150 per annum, with board and residence.

Applications, stating age, nationality, qualifications, and experience, together with copies of three recent testimonials, or names of two local referees, to be sent to the Secretary not later than 9th May, 1940.

## Royal Eye and Ear Hospital, Bradford.

HOUSE SURGEON wanted immediately for EAR, NOSE AND THROAT DEPARTMENT. Salary £180, with board, residence, and laundry.

Applications, stating age, experience, and copies of testimonials, to be forwarded to the undersigned.

F. BRIGGS, Secretary-Superintendent.

## County Borough of Great Yarmouth.

ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited for the position of Assistant Medical Officer of Health and Assistant School Medical Officer.

Salary £500 per annum, rising by annual increments of £25 to £700 per annum.

The Officer appointed will be required to devote the whole of his time to the service of the Corporation, and, in addition to acting as Assistant School Medical Officer, will assist in the general work of the Health Department, working for all purposes directly under the Medical Officer of Health, who is also School Medical Officer.

Candidates must have had at least three years' experience of their profession since qualification, and the possession of a Diploma in Public Health will be considered an additional qualification. Special consideration will be given to those applicants with experience in School Medical work.

The appointment is subject to the approval of the Ministry of Health and to the provisions of the Local Government Superannuation Acts, 1937 and 1939, and the Officer appointed will be required to reside in the Borough.

Applications, which should be made on a form to be obtained from me, together with not more than three recent testimonials, should be addressed to me in an envelope endorsed "Assistant Medical Officer" so as to reach me not later than the 13th May, 1940.

Canvassing, either directly or indirectly, by, or on behalf of, any candidate will be a disqualification and a candidate must disclose in writing whether to his knowledge he is related to any member of, or holder of any senior office under, the Council. A candidate who fails to do so will be disqualified, and, if appointed, will be liable to dismissal without notice.

Dated this 16th day of April, 1940.

FARRA CONWAY, Town Clerk.

Town Hall, Great Yarmouth.

## The King Edward VII

WELSH NATIONAL MEMORIAL ASSOCIATION.

Applications are invited from duly registered Medical Practitioners (Male or Female, single) for the post of ASSISTANT RESIDENT MEDICAL OFFICER (twelve months' appointment) at the SOUTH WALES SANATORIUM, TALGARTH, BRECON. (286 Beds for Male pulmonary cases.)

Salary £200 per annum, plus maintenance.

Applications, stating age, qualifications, experience, &c., together with copies of three recent testimonials, should reach the undersigned not later than Wednesday, May 8th, 1940.

D. A. POWELL, Principal Medical Officer.

Cathays Park, Cardiff.

## North Riding Infirmary, Middlesbrough

(General Hospital, 143 Beds. Three Residents.)

Applications are invited for the posts of CASUALTY OFFICER and HOUSE PHYSICIAN (Male or Female) for a period of six months, renewable. Duties of the house physician also include the administration of a number of anæsthetics.

Salaries are at the rate of £150 and £140 per annum respectively with board residence and laundry. Candidates must be unmarried and of British nationality. Duties to commence immediately. Applications, stating age, qualifications and experience, together with copies of three recent testimonials, should be sent to the undersigned forthwith.

GERALD A. KENYON, Secretary-Superintendent.

## County Borough of Grimsby.

Applications are invited for the post of Temporary RESIDENT MEDICAL OFFICER to the CORPORATION HOSPITAL, SCARTHO, GRIMSBY. There are 100 Beds for tuberculosis (all forms) and 72 for infectious diseases. Salary at the rate of £350 per annum, with board, residence, and laundry.

Applications, with copies of two recent testimonials, should be sent to the Medical Officer of Health, Health Department, 1, Bargate, Grimsby, not later than the 11th May.

L. W. HEELER, Town Clerk.

Municipal Offices, Grimsby, 29th April, 1940.

## Bristol Royal Hospital

(Incorporating Bristol Royal Infirmary and Bristol General Hospital)
and THE UNIVERSITY OF BRISTOL.

RESIDENT ANÆSTHETIST.

Applications are invited for the post of full-time Resident Anæsthetist. The time shall be divided between the Dental Hospital (which is under the management of the University of Bristol) and the Bristol Royal Infirmary. Salary at the rate of £250 per annum, with board, apartments, and laundry.

Candidates, who must be registered Medical Practitioners, to send in their applications, stating age and experience, accompanied by copies of not more than three recent testimonials, to the undersigned on or before May 8th, 1940.

ELLIS C. SMITH, F.C.I.S., Secretary and House Governor.

## The Nottingham Hospital for Women.

HOUSE SURGEON (Female) required to commence duties early June, 1940. Appointment for period of not less than six months. Salary at the rate of £150 per annum, with board, residence, and laundry. Previous hospital experience essential.

Applications, stating age, experience, and qualifications, accompanied by copies of three recent testimonials, to be sent forthwith to the Secretary, Mr. A. L. MORELL, Burton Buildings, Upper Parliament-street, Nottingham.

## The Guest Hospital, Dudley.

(General Hospital—139 Beds.)

(The Resident Staff consists of a Resident Surgical Officer and Three House Surgeons.)

CASUALTY HOUSE SURGEON (Male) required. Duties to commence at once. Salary at the rate of £150 per annum, with furnished apartments, board, and laundry. Candidates must be fully qualified and registered.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned.

H. RAYMOND HURST, House Governor and Secretary.

25th April, 1940.

## Rochdale Infirmary and Dispensary.

(110 Beds. Three Residents.)

The Board of Management invites applications for the appointment of SECOND HOUSE SURGEON.

The salary attached to the appointment is at the rate of £150 per annum, including board, residence, and laundry.

Applications, stating age, nationality, &c., together with copies of three recent testimonials, to be sent to the Secretary, endorsed "House Surgeon."

Conditions of the appointment may be had on application to the Secretary.

W. WYNNE, Secretary.

Infirmary Office, Rochdale, Lancs.

## The Chester Royal Infirmary.

(225 Beds.)

Applications are invited for the posts of HOUSE SURGEONS (Male) to take up duties on 1st June.

The appointments are approved in connection with the M.S. (London University) and the F.R.C.S. (Eng.) Examinations.

Salary £150 per annum, with board, lodging, and laundry. Application list closes 18th May. Application forms to be obtained from W. H. GRACE, M.D., F.R.C.P., Honorary Secretary, Medical Committee.

## County Council of Durham.

SEAHAM HALL SANATORIUM FOR WOMEN AND GIRLS, SEAHAM HARBOUR.
(80 Pulmonary and 50 Non-pulmonary Beds.)

JUNIOR RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Junior Resident Medical Officer at a salary of £200 per annum, with board, residence, and laundry in addition.

The appointment is for a period of twelve months and is not renewable.

The appointment will be subject to the regulations for the time being of the County Council relative to the payment of salary in the case of sickness.

Applications, stating age and experience, together with copies of three recent testimonials, to be sent to the County Medical Officer of Health, Shire Hall, Durham, not later than 11th May, 1940.

J. K. HOPE, Clerk of the County Council.

Shire Hall, Durham, 23rd April, 1940.

## Aberdeen Royal Infirmary.

The Board of Directors invite applications for the post of GYNÆCOLOGICAL REGISTRAR. The appointment is open to graduates of either sex. The successful candidate will also be a part-time Assistant in the Department of Midwifery of the University of Aberdeen.

The salary will be at the rate of £300 per annum, and the appointment will be for a period of twelve months with eligibility for reappointment.

Applications, with recent testimonials (six copies of each), must be lodged not later than 10 A.M. on 18th May, 1940, with the undersigned, from whom further particulars may be obtained.

JOHN A. MCCONACHIE, Clerk and Treasurer.

1, Albyn-place, Aberdeen. 3rd May, 1940.

## Royal West Sussex Hospital,

CHICHESTER.
(114 Beds, including 12 in Private Patients' Block—2 Residents.)

JUNIOR HOUSE SURGEON required.

Salary at the rate of £125 per annum, with board, residence, and laundry.

Applications should be sent to the undersigned by 15th May, 1940, together with copies of not less than three recent testimonials, stating age, nationality, experience, and qualifications.

By Order of the Board of Management.

K. H. WILLIAMS, House Governor and Secretary.

1st May, 1940.

## Hertford County Hospital.

(171 Beds—3 Residents.)

Applications are invited for the post of HOUSE PHYSICIAN (Male).

Salary £150 per annum, with board, residence, and laundry. Duties to include Casualty. The appointment is for six months in the first instance.

Applications, together with copies of three recent testimonials, should be forwarded to the undersigned.

PERCY G. BROOKS, Secretary.

## Royal Hampshire County Hospital,

WINCHESTER.

(239 Beds. 5 Resident Officers.)

Hospital recognised by the Royal College of Surgeons, England.

HOUSE SURGEON.

Applications are invited from fully qualified Men for the above post. Six months' appointment. Salary £175 per annum, with board, residence, and laundry.

Candidates should make application to the undersigned, enclosing copies of three testimonials.

H. EWART MITCHELL, Superintendent and Secretary.

## Birmingham United Hospital.

(The General Hospital, The Queen's Hospital, The Queen Elizabeth Hospital.)

THE QUEEN ELIZABETH HOSPITAL.

Applications are invited from fully qualified candidates for the following appointment:—

RESIDENT SURGICAL REGISTRAR (full residential emoluments). Salary £100 per annum, rising £10 annually to £120 per annum.

Preference will be given to candidates who hold the F.R.C.S. Eng. or Edin., or who have taken the Primary.

Applications, stating age, experience, qualifications, and nationality, with copies of recent testimonials, should be forwarded at once to the undersigned.

G. HURFORD, House Governor.

The Queen Elizabeth Hospital, Edgbaston, Birmingham, 15.

## Lancashire County Council.

EMERGENCY HOSPITALS SERVICE.

MEDICAL OFFICERS (Male or Female), all grades, are urgently required for the Emergency Hospitals Service of the Lancashire County Council. The Junior Grade carries with it a salary of £200 per annum, plus £100 per annum in lieu of quarters and rations if non-resident. The Senior Grades will be appointed at salaries in accordance with the scale of the Ministry of Health.

Particulars concerning these appointments may be obtained from the undersigned, to whom all applications must be made.

F. HALL, County Medical Officer of Health.

Hospital and Medical Department, County Offices, Preston, 24th April, 1940.

## Grosvenor Sanatorium, Ashford, Kent.

(236 Beds—4 Resident Medical Officers.)

Applications are invited for the following appointment:—

THIRD ASSISTANT RESIDENT MEDICAL OFFICER (part time). The appointment is for a period of at least six months at a salary of £100 per annum, with board, lodging, and laundry.

Applications, stating age, qualifications, and nationality, accompanied by copies of recent testimonials, to be sent to the Medical Superintendent.

## City and County of Newcastle upon Tyne.

Applications are invited for the following posts from duly qualified and registered Medical Practitioners:—

(1) NEWCASTLE GENERAL HOSPITAL, Newcastle upon Tyne.—HOUSE PHYSICIANS and HOUSE SURGEONS. The posts are tenable for a period of six months; salary £150 per annum, together with the usual residential emoluments.

(2) SHOTLEY BRIDGE EMERGENCY HOSPITAL, Shotley Bridge, County Durham.—HOUSE PHYSICIANS and HOUSE SURGEONS. The posts are tenable for a period of six months; salary £200 per annum, together with the usual residential emoluments.

(3) BARRASFORD SANATORIUM, Barrasford, County Northumberland.—RESIDENT MEDICAL ASSISTANT. The post is tenable for a period of six months; salary £250 per annum, together with the usual residential emoluments.

Applications for any of the above appointments, together with copies of two recent testimonials, should be sent immediately to the Medical Officer of Health, Health Department, Town Hall, Newcastle upon Tyne, 1.

27th April, 1940.

## Glasgow Royal Mental Hospital.

JUNIOR ASSISTANT MEDICAL OFFICER wanted. Salary £300 per annum, with board, apartments, and laundry. General hospital experience desirable.

Applications, with copies of testimonials, to be sent to the Physician-Superintendent.

## Royal Berkshire Hospital, Reading.

Applications are invited for the post of CASUALTY OFFICER (Male) which falls vacant on June 1st, 1940.

The appointment is for six months, and candidates must be fully qualified and registered.

Remuneration at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age and experience, with copies of testimonials, to be sent to the undersigned as soon as possible.

H. E. RYAN, Secretary and House Governor.

## The Royal Gwent Hospital, Newport,

MON. (210 Beds.)

There is an Honorary Consultant Staff of 16 members. Six Resident appointments; (*officially recognised for the surgical practice required before admission to the Final Fellowship Examination of the Royal College of Surgeons). Reasonable surgical experience is available subject to the ability of the Resident Officer.

Applications are invited for the following appointments, commencing from 1st June, 1940:—

CASUALTY OFFICER, salary £175 per annum; previous hospital experience is essential.

HOUSE PHYSICIAN, salary £160 per annum. (This Officer is also expected to assist in the V.D. Department.)

SECOND HOUSE SURGEON, salary £150 per annum.

*THIRD HOUSE SURGEON, salary £150 per annum.

HOUSE SURGEON to FRACTURE AND ORTHOPÆDIC DEPARTMENT, salary £150 per annum.

The appointment of Senior House Surgeon has been filled.

The appointments are for six months, subject to the provisions of the Rules as to notice. Board, residence, and laundry are provided.

Applications should be forwarded to the undersigned immediately, stating age, nationality, qualifications, and experience, together with copies of three recent testimonials.

Intending applicants should communicate as soon as possible to the Secretary-Superintendent, intimating their intention to apply for one of the posts and should state whether, in the event of their not being selected for that particular appointment, they are willing to be considered for another Resident appointment.

ALAN RUDDLE, Secretary-Superintendent.

The Hospital serves a large area and affords exceptional facilities for clinical experience; it is 2½ hours by train from London.

18th April, 1940.

## Borough of Swindon.

APPOINTMENT OF MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

Applications are invited from duly qualified persons for the appointment of Medical Officer of Health and School Medical Officer to the Borough of Swindon at an inclusive salary of £900 per annum rising by three annual increments of £50 to £1050, together with a car allowance of £75 per annum.

The person appointed will be required to devote his whole time to the service of the Corporation. The duties of the Medical Officer of Health include those of Medical Officer to the Isolation Hospital and Superintendent of the Maternity Home. A full-time Deputy Medical Officer of Health and a full-time Assistant Medical Officer are engaged by the Council to assist in the duties of the office.

Form of application and conditions of appointment may be obtained on application to the undersigned.

Applications, accompanied by copies of not more than three recent testimonials, must be forwarded in an envelope endorsed "Medical Officer of Health" to reach me not later than the first post on Monday, 20th May, 1940.

D. MURRAY JOHN, Town Clerk.

Civic Offices, Swindon, 30th April, 1940.

## Cameron Hospital, West Hartlepool.

(86 Beds.)

HOUSE SURGEON (Male or Female) required to commence duties 21st May, 1940. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age, nationality, and experience, together with copies of testimonials, should be sent to the undersigned as soon as possible. C. S. KAY, Secretary.

## Royal Sheffield Infirmary and HOSPITAL.

THE ROYAL INFIRMARY, SHEFFIELD.

(476 Beds.)

Applications are invited for the undermentioned resident posts:—

(a) OPHTHALMIC HOUSE SURGEON.

(b) HOUSE SURGEON TO EAR, NOSE, AND THROAT DEPARTMENT.

(c) HOUSE SURGEON.

The salary attached to (a) varies from £80 to £120 per annum according to experience, and (b) and (c) £80 per annum, rising to £100 per annum after six months' service, with board and residence in each case.

The posts are tenable for the period of six months commencing 1st May, 1940.

Applications, with copies of recent testimonials, to be forwarded to the undersigned forthwith.

H. KINGSLEY PEARCE, General Superintendent and Secretary.

29th April, 1940.

## County Mental Hospital,

WHITTINGHAM, near PRESTON.

Wanted, ASSISTANT MEDICAL OFFICER LOCUM TENENS required about the middle of May for approximately six months. Eight guineas per week, with board, lodging, and laundry.

Apply immediately, giving full particulars of experience, &c., to the Medical Superintendent, County Mental Hospital, Whittingham, near Preston.

## County Borough of Rochdale.

PUBLIC HEALTH DEPARTMENT.

APPOINTMENT OF TEMPORARY RESIDENT MEDICAL OFFICER.

The Health Committee invite applications from fully qualified registered Medical Practitioners (unmarried) for the temporary appointment of Senior (Male) Assistant Resident Medical Officer at the BIRCH HILL HOSPITAL (475 Beds, Medical, Surgical, and Children and Maternity).

Previous hospital experience, including Maternity and Surgical work, is essential.

The appointment will include certain services in connexion with the adjoining Public Assistance Institution.

The salary will be at the rate of £350 per annum, rising by annual increments of £25 to £450 per annum, together with board, residence, and laundry (emoluments valued at £100 per annum).

Applications must be made on the prescribed forms, which may be obtained on application to the Medical Officer of Health, and returned addressed to him at the Public Health Offices, Baillie-street, Rochdale, not later than Thursday, the 16th May, 1940.

HARRY BANN, Town Clerk.

Town Hall, Rochdale, 29th April, 1940.

## St. Anne's Hospital, Altrincham, CHESHIRE.

Applications are invited from registered Medical Practitioners for the post of RESIDENT SURGICAL OFFICER at the above EAR, NOSE, AND THROAT HOSPITAL (50 Beds). Salary £200 per annum, with board, apartments, &c. The appointment is for six months and is renewable. The post offers ample facilities for post-graduate studies.

Applications, with copies of testimonials, to be sent not later than 18th May to W. HUNT, Secretary, Manchester Hospital for Consumption and Diseases of the Throat and Chest, Hardman-street, Manchester, 3.

## Preston and County of Lancaster

QUEEN VICTORIA ROYAL INFIRMARY.
(404 Beds.)

Applications are invited for the post of RESIDENT ANÆSTHETIST. Salary at the rate of £150 per annum, with board, residence, and laundry.

Candidates who also have experience of treating Venereal Diseases will be considered for additional duty in the Venereal Diseases Clinics at extra remuneration.

Applications, stating age, qualifications, and experience, accompanied by copy testimonials, should be forwarded to the undersigned as soon as possible.

JOHN GIBSON, Superintendent and Secretary.

Royal Infirmary, Preston.

## Hull Royal Infirmary.

Applications are invited for the post of CASUALTY OFFICER (Male). Salary £150 per annum, with board, residence, and laundry.

The appointment will be for a period of six months, but will be determinable at any time by one month's notice on either side.

The successful candidate will be eligible for promotion to a more senior post when a vacancy occurs.

Applications, stating age, experience, and nationality, together with copies of testimonials, should be addressed to the undersigned.

R. J. CARLESS, House Governor.

## Ancoats Hospital, Manchester, 4.

ASSISTANT PATHOLOGIST, Lady or Gentleman, whole-time appointment—no private work allowed. Salary £350 to £400 per annum, according to experience, with luncheon and tea. The appointment is for twelve months and is renewable.

Applications, stating age, qualifications, and experience, to be forwarded to the undersigned on or before 17th May, together with copies of three testimonials.

By order of the Board.
HERBERT J. DAFFORNE,
General Superintendent and Secretary.

## Borough of Heston and Isleworth.

TEMPORARY ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the post of Temporary Assistant Medical Officer. A public health degree or diploma is desirable.

The duties will be mainly in connexion with the Maternity and Child Welfare and the School Medical Services, together with such other duties as the Medical Officer of Health may direct.

The salary will be £550 per annum. The appointment is for a period of twelve months but may be extended and is terminable at any time by one month's notice.

Forms of application may be obtained from the Medical Officer of Health, 92, Bath-road, Hounslow, and completed applications, accompanied by not more than three recent testimonials and endorsed "Assistant Medical Officer," should be submitted to the undersigned not later than 16th May, 1940.

H. SWANN, Town Clerk.

Council House, Hounslow.

## County Borough of Huddersfield.

ST. LUKE'S HOSPITAL.

RESIDENT MEDICAL OFFICER.

Applications are invited for the above appointment. The work is chiefly medical, though the Hospital has been equipped as an emergency hospital. Salary £230 per annum, with board, residence, and laundry.

Applications, stating age, training, qualifications, and experience, should be forwarded to the Medical Officer of Health, Huddersfield.

SAMUEL PROCTER, Town Clerk.

Town Hall, Huddersfield.

## The Royal Liverpool United HOSPITAL.

DAVID LEWIS NORTHERN HOSPITAL.
(272 Beds.)

Applications are invited for the post of RESIDENT ASSISTANT SURGEON.

Candidates who possess the Fellowship of the Royal College of Surgeons and who are not liable for military service should apply immediately, and not later than Thursday, 9th May, 1940, to the undersigned, enclosing copies of recent testimonials, together with full particulars as to age, qualifications, and experience. Salary to be arranged (approximately £350 per annum).

A. V. J. HINDS, Secretary.

The Royal Liverpool United Hospital,
641, India-buildings, Liverpool, 2.

## County Borough of Oldham.

THE MUNICIPAL HOSPITAL.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the post of Resident Assistant Medical Officer. Applicants must not be over forty-five years of age. Experience of Anæsthetics is desirable.

Salary £200 per annum, with board, residence, and laundry. Candidates should be unmarried.

The appointment will, in the first instance, be for a period of six months. The successful applicant, however, will be eligible for reappointment for a further period of six months.

The person appointed will be required to pass a medical examination, and may be required to contribute to the Superannuation Fund of the Corporation.

The Hospital comprises 375 Beds, with facilities for gaining experience in Medicine, Surgery, Midwifery, and the Diseases of Children.

Canvassing or submitting testimonials from members of the Council or of any Committee appointed by the Council will be a disqualification.

Application forms and conditions of appointment may be obtained from the Medical Officer of Health, Town Hall, Oldham, and should be returned, endorsed "Resident Assistant Medical Officer," not later than 9 A.M., 21st May, 1940.

T. ALKER, Town Clerk.

Town Hall, Oldham, 30th April, 1940.

## Manchester Royal Infirmary.

One HOUSE SURGEON to a GENERAL SURGICAL UNIT for eight months.

One HOUSE SURGEON to AURAL, GYNÆCOLOGICAL, OPHTHALMIC, AND DERMATOLOGICAL DEPARTMENTS for six months.

The Board of Management of the Manchester Royal Infirmary invite applications for the above appointments.

The appointment of House Surgeon to the General Surgical Unit is for eight months and that of the House Surgeon to the Special Departments is for six months, both from 15th May, 1940, and subject to the provisions of the Bye-laws as to notice, &c. Salaries at the rate of £50 per annum, with board, residence, and allowance for laundry.

Applicants must hold a medical and surgical qualification and be registered.

Applications, stating age, qualifications, and experience, to be sent to the Chairman of the Medical Board not later than 11th May, 1940.

By order.
F. J. CABLE, General Superintendent and Secretary.
27th April, 1940.

## Manchester Royal Infirmary.

RESIDENT REGISTRAR TO SURGICAL OUT-PATIENT DEPARTMENT.

The Board of Management of the Manchester Royal Infirmary invite applications for the above appointment.

Applicants must be registered and hold a Medical and Surgical qualification and have held a hospital appointment.

The appointment is for six months (renewable for further period of six months), subject to the provisions of the Bye-laws as to notice, &c. Salary £150 per annum, with board, residence, and allowance for laundry.

Applications, stating age, qualifications, and experience, to be sent to the Chairman of the Medical Board not later than 11th May, 1940.

By order.
F. J. CABLE, General Superintendent and Secretary.
27th April, 1940.

(AMENDED ADVERTISEMENT.)

## Staffordshire County Council.

STANDON HALL ORTHOPÆDIC HOSPITAL.
(120 Beds.)

HOUSE SURGEON (Female).

Applications are invited for the post of House Surgeon (Female) at the above Hospital at a salary of £250 per annum, with full board and lodging. The appointment is for one year and is not renewable. A month's holiday is allowed during the term of service.

Applications, stating age and qualifications, accompanied by three recent testimonials, must be delivered to the undersigned not later than the 16th May, 1940.

Candidates receiving no reply by the 31st May, 1940, may assume the vacancy filled.

H. L. UNDERWOOD, Clerk of the County Council.

County Buildings, Stafford, 29th April, 1940.

## The Children's Hospital, Sheffield.

(INC.). (157 Beds.)

Applications are invited for the post of HOUSE SURGEON, vacant 1st June, 1940.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry.

Candidates (unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

## The Lawn, Lincoln.

ASSISTANT MEDICAL OFFICER required. Medical Woman, with Mental Hospital experience or working for D.P.M. preferred. Salary £300 per annum, with emoluments. Apply, Medical Superintendent, The Lawn, Lincoln.

**Her Royal Highness Princess Arthur** OF CONNAUGHT desires to inform the Medical Profession that her Nursing Home at 23, Bentinck-street, W.1, will be open to receive patients on and after 14th May. 'Phone: WELbeck 7600.

**Part-time (evening) Sec./Recep. work** required. Good exper., speeds, and appear. Own typewriter.—Apply, Address No. 715, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

**Monomark.**—For confidential correspondence and enquiries use a Monomark address. 5s. per annum. Letters forwarded immediately.—Particulars from MONOMARK BM/MONO28, W.C.1.

**Consulting Room with living accommodation** available (if required) in Large Double-fronted Residence in N.E. London—suitable for doctor's practice. Beautifully situated in a commanding position adjacent to public park. Large garden front and rear. Room for car. Few months' trial at low rent. No premium.—Address No. 709, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2, for appointment.

**Dublin Nat. Grad., 29, wide experience,** desires board and small fee in exchange part medical work.—Address, No. 710, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

**Harley Street and District.**—A number of excellent CONSULTING ROOMS are available for full and part-time use at moderate rents. Particulars on application.—ELGOOD & Co., 1, Bentinck Street, Welbeck Street, W.1. Welbeck 8974.

## IMPORTANT NOTICE
### TO MEMBERS OF THE
## MEDICAL PROFESSION
### joining H.M. Forces
## HARRY HALL LTD.
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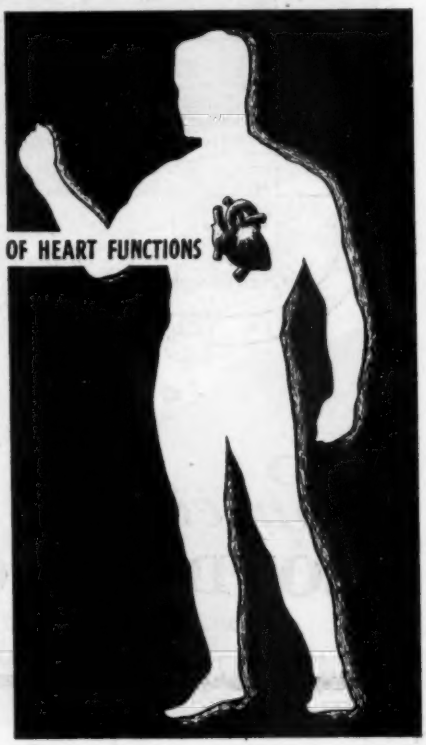

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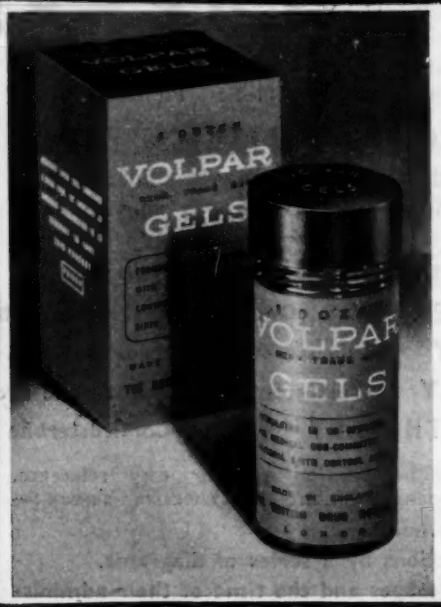


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**CONCENTRATED STOMACH SUBSTANCE**

**Neo-Pepsac consists of a highly-concentrated and tasteless fraction of hog's stomach supplied in cachets, providing a convenient method of administering stomach substance to sensitive patients. Although dosage varies with individual patients, the maintenance dose of Neo-Pepsac is not usually greater than 1-2 cachets daily. Supplied in boxes of 24 cachets.**

**PEPSAC—an active preparation of Desiccated Stomach Substance supplied in hermetically sealed tins containing 3 oz. and 12 oz.**

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*Literature sent upon request*

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**MANDECAL**

*(Compound Calcium Mandelate B.D.H.)*

**In Urinary Infections**

Mandecal is of the utmost value in the treatment of urinary infections particularly when sulphanilamide is

(a) ineffective—as in streptococcus fæcalis infection

(b) contra-indicated—as in anæmia and marked debility

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Collateral administration of acidifying agents is unnecessary when Mandecal is employed, and gastric disturbances are rarely produced.

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# ALASIL

## Safe Salicylate Therapy

THE popularity of acetyl-salicylic acid is undoubtedly due to the fact that it is one of the safest and most effective non-narcotic analgesics available. Too often, however, its use has been discarded by the physician on account of its tendency to irritate the stomach and because entirely pure preparations are not always available.

"Alasil" provides the beneficial therapeutic effects of pure acetyl-salicylic acid in such a form that it is acceptable even by disordered digestions. This tolerability is due to the fact that it combines calcium acetyl-salicylate—the least irritating salicylate compound—with "Alocol," a potent gastric sedative and antacid.

Since "Alasil" is better tolerated than acetyl-salicylic acid its use can be pushed or prolonged to a much greater extent than the latter. "Alasil" is, therefore, an analgesic, antipyretic, and anti-rheumatic, which can be employed with complete confidence in all the many conditions in which such an agent is indicated.

*A supply for clinical trial with full descriptive literature sent free on request:*

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M267

# Ergoapiol-(Smith)

## A Menstrual Regulator...

When the periods are irregular, due to constitutional causes, ERGOAPIOL (Smith) is a reliable prescription. Containing apiol (M.H.S. special) together with ergot, aloin and oil of savin of the highest quality, this preparation effectively stimulates uterine tone and controls menstrual and postpartum bleeding.

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Prescribe 1 to 2 capsules 3 or 4 times daily. Supplied only in packages of 20 capsules. Literature on request.

As a safeguard against imposition the letters MHS are embossed on the inner surface of each capsule, *visible only* when the capsule is cut in half at seam as shown.

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# Food versus Cathartic

## *The advantages of bran in the treatment of common constipation*

MOST cases of common constipation, it will be readily accepted, are due to the lack of "bulk" in our modern diet. It follows then, that the treatment most advisable is to increase the patient's intake of bulk.

Clinical tests reveal that the most favourable results are obtained by the addition to the diet of Kellogg's All-Bran, an appetising form of bran.

As a laxative *food* All-Bran has these advantages:

**1.** All-Bran is a *food* rather than a medicine and in consequence has a helpful "psychological" effect. Patients appreciate the fact that it is a pleasant *natural* treatment which need not interfere with their normal mode of life.

**2.** The bulk in All-Bran is absolutely non-irritant. It is more effective than the bulk matter of fruit and vegetables because it is less readily broken down.

**3.** The continued use of All-Bran does not reduce its laxative effect.

**4.** * All-Bran is a much richer source of Vitamin $B_1$ than most of our common foods. It is also rich in iron.

In all cases where an increase in the amount of bulk in the diet is indicated, Kellogg's All-Bran may be prescribed with advantage. As it passes through the intestines All-Bran absorbs water and softens like a sponge, and this water-softened mass gently but effectively cleanses the intestines. Eaten regularly, All-Bran promotes thorough evacuation of the bowel contents without strain on the internal organs.

All-Bran may be served as a cereal with milk or cream, or cooked into appetising scones, bread, etc. It may also be taken with other cereals or sprinkled over salads and other foods. To assure maximum effectiveness, plenty of fluids should be taken, preferably between meals. All-Bran is obtainable from all reliable grocers. A packet will be sent free on request to any qualified practitioner. Inquiries should be addressed to: Kellogg Company of Great Britain Ltd., Stretford, Manchester.

* *Two tablespoonfuls (22 grammes) of All-Bran contain about as much Vitamin $B_1$ as 2 tomatoes (99 grammes) or a large serving of lettuce (92 grammes). Laboratory Handbook for Dietetics, Mary Swartz Rose.*

**Kellogg's All-Bran is most palatable served with plenty of milk or cream. Many like it sprinkled over their favourite breakfast cereal.**

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**A GENERAL APERIENT and CHOLAGOGUE**

for the treatment of

CONSTIPATION, FLATULENCE, HEPATITIS,
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*Over 35 years' reputation.*

DOSE : 10 to 60 minims, according to the age and condition of the patient. One drachm is a direct aperient and is not accompanied by griping and tenesmus.

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one of HEWLETT'S preparations

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***(Sodium 5:5 diphenylhydantoin)***

The advantages of Eptoin over other anti-convulsants are that it is practically free from the narcotic effects usually associated with barbiturates and bromides and it greatly decreases the number of convulsive seizures in cases which have not responded satisfactorily to other forms of treatment. The adult dose is one 0.1 gm. (1½ grain) capsule of Eptoin during or just after meals three times a day. Supplied in bottles of 100 capsules each containing 0.1 gm.

Per bottle of 100 capsules - - - 7/-

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**CHLOROPHYLL TABLETS**

**(a chlorophyll-beta carotene combination)**

**EYE STRAIN from the "black-out," and night-blindness**

**NERVOUS STRAIN from abnormal living conditions**

**BODILY STRAIN from unaccustomed work, night work, overwork . . .**

**These are the three most frequent complaints in modern medical practice, and all can arise from vitamin A deficiency. A supplementary daily ration of vitamin A or pro-vitamin A (beta carotene) therefore helps the sufferer to cope with the increased strain of living and to adapt himself to unwelcome changes. Night vision in particular is improved and progressively a better general condition is achieved.**

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Against these seuerall humors ouerflowing,
As seuerall kinds of physicke may be good,
As diet, drinks, hot baths, whence sweat is growing,
With purging, vomiting and letting blood:
Which taken in due time, not ouerflowing,
Each maladies infection is withstood.

The prophylactic measures against the humours, vomiting and blood-letting, have lost their significance in medicine; but purging, in its milder form of laxation, is important as ever when constipation interferes with the normal functioning of the eliminatory tract.

To-day, Agarol brand Compound, the original mineral oil and agar-agar emulsion with phenolphthalein, tackles the problem of treating constipation on rational grounds. Agarol supplies unabsorbable moisture that softens the intestinal contents and makes their passage easy and painless. It lubricates the intestinal tract and gently stimulates the peristaltic function, thereby making evacuation certain and habit-formation possible.

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*'A good and smooth anæsthesia'*

*'In most cases no vomiting at all'*

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*Milk can be monotonous*

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The hæmoglobin formative action of liver extract has been found in animals to be definitely activated by combination with an available form of iron. For this reason, iron, in the form of ferrous sulphate, is included in the formula of 'Lirimin' Capsules, and the product is, therefore, especially indicated in the treatment of secondary anæmias.

In the treatment of secondary anæmias, characterized by marked decrease in red cell counts and deficiency in hæmoglobin, the recommended dose is one to three 'Lirimin' Capsules three times a day until the number of red blood corpuscles and hæmoglobin approaches normal. A continuation treatment should consist of one capsule three times a day.

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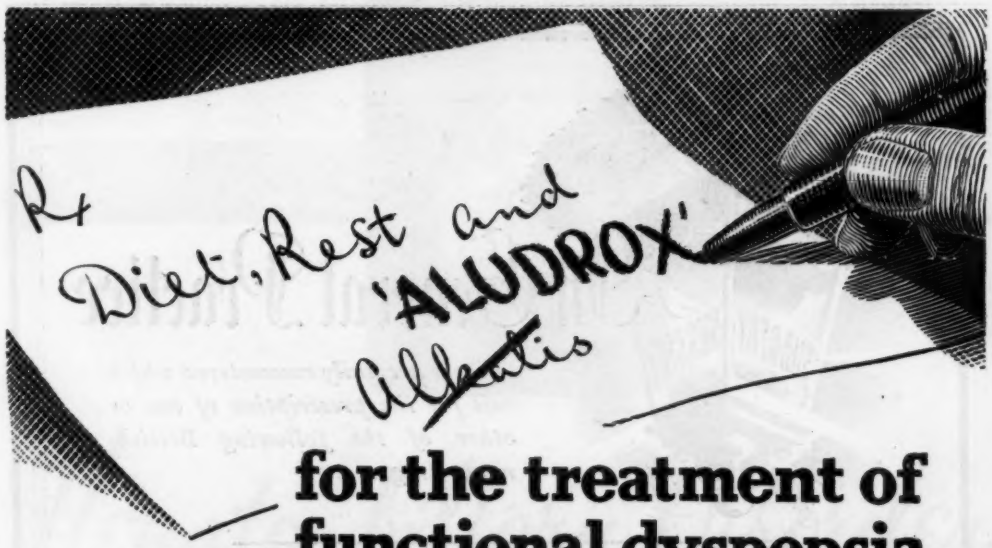


# for the treatment of functional dyspepsia

Functional dyspepsia is particularly liable to affect the hypersthenic "ulcer prone" type of patient during these early days of the war. Control of the acid factor in these cases is best established by means of 'Aludrox.' 'Aludrox' is not an alkali, but it is a most effective antacid. For instance it will neutralize at least twelve times its own volume of gastric HCl without causing gaseous distension. It cannot cause alkalosis and may safely be prescribed for use over a period of time, and fits well into the usual diet and rest régime.

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**Amphoteric Gel.**

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*—cases are daily encountered which call for the prescription of one or other of the following British-made drugs:*

**★ DAGENAN—M & B 693 ★**
*For pneumococcal and gonococcal infections.*

**★ SOLUSEPTASINE**
*For parenteral administration in streptococcal infections.*

**★ SONERYL**
*For insomnia.*

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*For epilepsy.*

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*For rheumatoid arthritis.*

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*For high blood pressure.*

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*For insomnia associated with pain.*

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**★ CYCLONAL SODIUM**
*For intravenous anaesthesia.*

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# Hepato-biliary Disorders

The treatment of biliary affections generally requires regulation of diet and, for a time at least, adjustment of the mode of living. The medicinal treatment is adequately supplied by Veracolate Tablets. By its cholagogic action, Veracolate stimulates the formation of bile, keeps it freely flowing, and maintains cholesterol in solution thereby preventing its precipitation. These effects are accomplished by highly purified bile salts — sodium glycocholate and taurocholate. In addition, the laxative properties of Veracolate provide for the relief of intestinal stasis which is generally present in gall-bladder disease. Veracolate serves as a reliable cholagogue in the treatment as well as in the prevention of cholecystitis, cholelithiasis and other functional disorders of the liver and gall-bladder.

*Veracolate brand Tablets are supplied in bottles of 50, 100 and 500.*

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BRAND TABLETS
A TRUE CHOLAGOGUE

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*A solution of the anterior-pituitary-like sex hormone derived from pregnancy urine*

**IN 1928 Zondek and Aschheim found in pregnancy urine a gonad-stimulating hormone which exerted an effect similar to that produced by an extract of the anterior pituitary gland containing the gonadotrophic factor.**

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**Treatment with Antuitrin 'S' is simple and without likelihood of reaction. A brochure giving a comprehensive description of the indications and uses of Antuitrin 'S' with full references to reports of clinical trials will be sent to physicians on request.**

**ANTUITRIN 'S' is supplied in rubber-capped vials of 10 c.c., containing 100 rat-units per c.c., and in rubber-capped vials of 5 c.c., containing 500 rat-units per c.c.**

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BRAND OF [SODIUM ETHYL (1-METHYL BUTYL) THIO-BARBITURATE]

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(Sulphanilamide Evans)

## For the Chemotherapy of Bacterial Infections

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2. Streptocide Tablets
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   Containing 2½% Streptocide in a non-toxic solvent
4. Streptocide Ointment
5. Streptocide Cream
   The Ointment and Cream contain in solution 5% Streptocide. The base used is non-toxic and neutral

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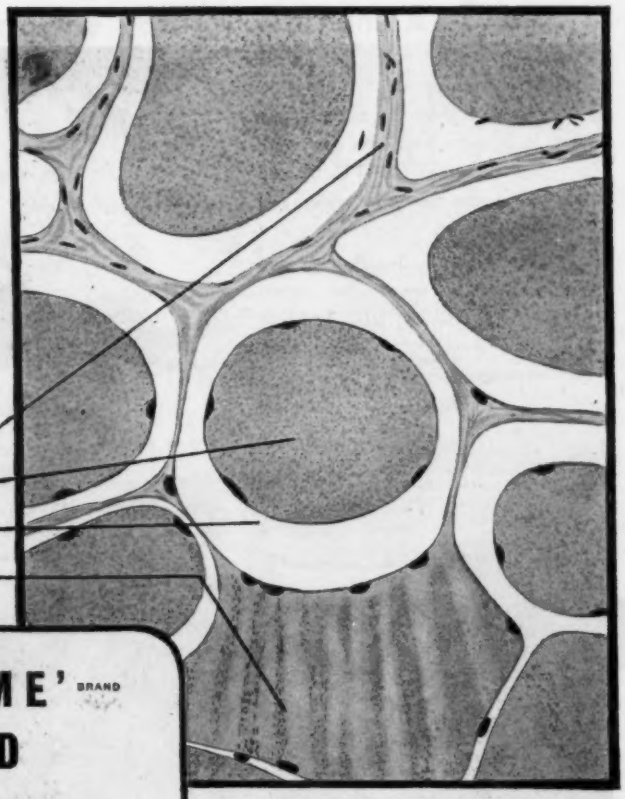
**require instant attention. Chief among the infections to be feared are tetanus and gas-gangrene. Separate prophylactic injections for each infection may mean the loss of valuable time: Therefore administer a polyvalent antitoxin now that this is available.**

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**Gas and fluid separating sheath from muscle fibres**

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Containers of
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in 5 c.c. or less

**Entirely prepared, tested and packed in England**

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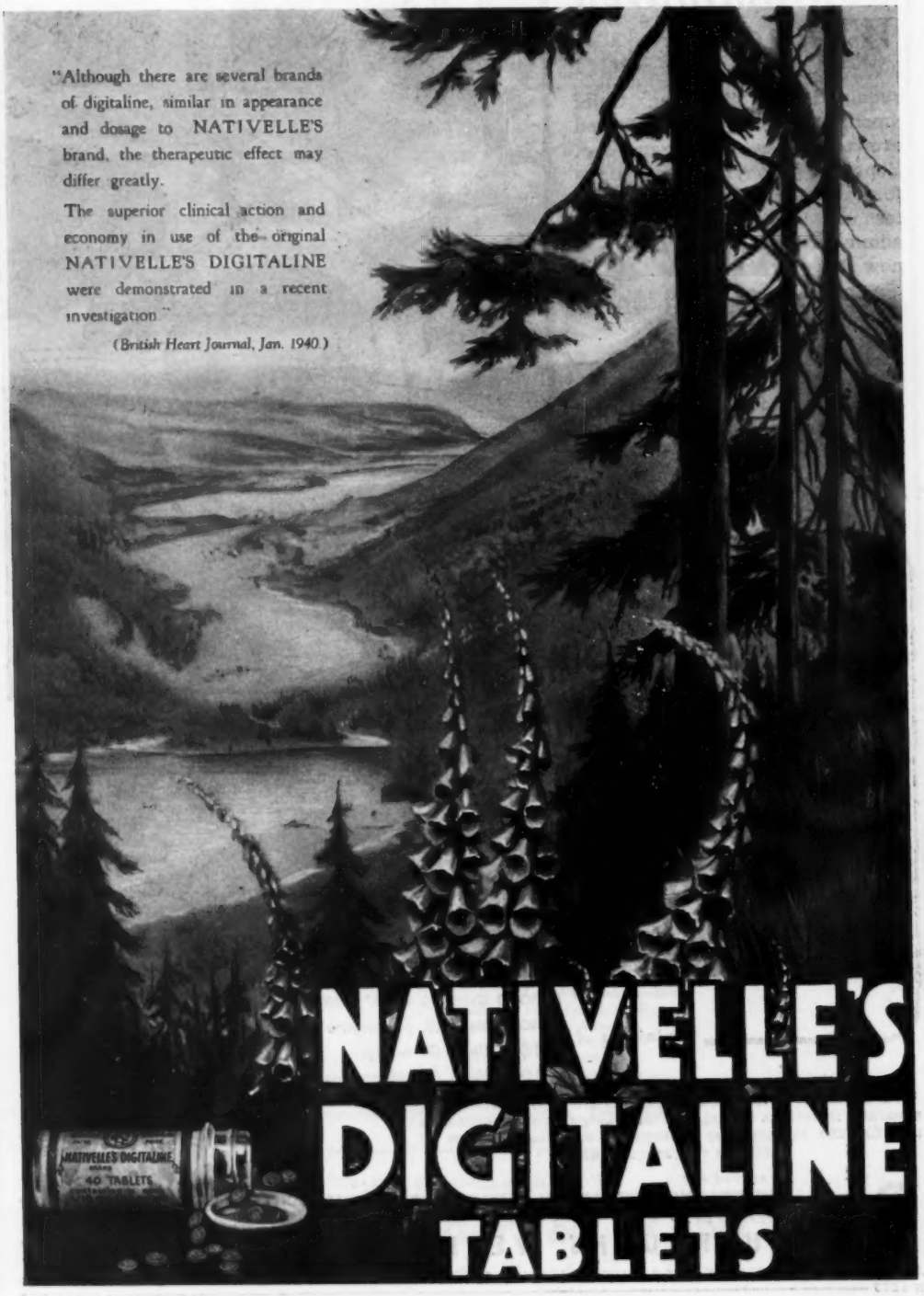
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*J. AMER. MED. ASSOC. Vol. III. No. 5, page 390. July 30, 1938*

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(ŒSTRONE)

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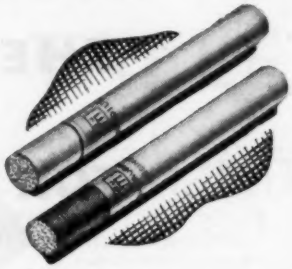
These irritants are isolated by the du Maurier filter tip. Without introducing any 'drag' in suction or in any way detracting from the full fragrance and flavour of the tobacco, du Maurier provides a very high measure of protection to the smoker.



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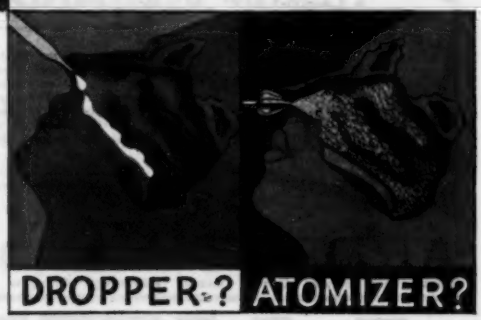


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These lectures are for regular students of the School, but a limited number of tickets are available, without fee, for medical practitioners.

Applications for tickets should be addressed to the Dean, British Postgraduate Medical School, Ducane Road, W.12.

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(UNIVERSITY OF LONDON)

## INTENSIVE COURSE IN WAR MEDICINE

| 1940 | | | |
|---|---|---|---|
| Monday, 27th May. | 10–11.30 A.M. | Effort Syndrome. | Prof. F. R. Fraser, M.D., F.R.C.P. |
| | 11.30–1 P.M. | Prevention of War Epidemics, including Typhoid and Paratyphoid. | Prof. M. Greenwood, D.Sc., F.R.C.P., F.R.S. |
| | 1.30–3 P.M. | Trench Nephritis and Epidemic Jaundice. | Prof. J. W. McNee, D.S.O., M.D., F.R.C.P. |
| | 3–4 P.M. | Prescribing in Wartime. | Dr. P. Hamill, M.D., F.R.C.P. |
| Tuesday, 28th May. | 10–11.30 A.M. | Skin Diseases in Wartime. | Dr. H. MacCormac, C.B.E., M.D., F.R.C.P. |
| | 11.30–1 P.M. | Prevention of War Epidemics, including Typhoid and Paratyphoid. | Prof. M. Greenwood, D.Sc., F.R.C.P., F.R.S. |
| | 1.30–3 P.M. | Protective Inoculation with Special Reference to Tetanus. | Dr. P. Hartley, C.B.E., D.Sc., F.R.S. |
| | 3–4 P.M. | Sunstroke and Heat-stroke. | Dr. F. Murgatroyd, M.D., M.R.C.P. |
| Wednesday, 29th May. | 10–11.30 A.M. | Dietetic Deficiencies in War. | Prof. S. J. Cowell, F.R.C.P. |
| | 11.30–1 P.M. | Malaria. | Dr. P. H. Manson-Bahr, C.M.G., D.S.O., M.D., F.R.C.P. |
| 1940 | | | |
| Wednesday (contd.) | 1.30–3 P.M. | Treatment of Gas Casualties. | Dr. J. A. Nixon, C.M.G., M.D., F.R.C.P. |
| Thursday, 30th May. | 10–11.30 A.M. | Food Poisoning. | Sir William Savage, M.D. |
| | 11.30–1 P.M. | Dysentery and Diarrhœa. | Dr. P. H. Manson-Bahr, C.M.G., D.S.O., M.D., F.R.C.P. |
| | 1.30–3 P.M. | Frostbite and Protection from Cold. | Dr. R. Greene, D.M. |
| | | Clothing and Equipment in Hot Climates. | Col. A. H. Proctor, D.S.O., M.D., M.S., F.R.C.S. |
| | 3–4 P.M. | War Neuroses. | Dr. Bernard Hart, M.D., F.R.C.P. |
| Friday, 31st May. | 10–11.30 A.M. | War Neuroses. | Dr. Bernard Hart, M.D., F.R.C.P. |
| | 11.30–1 P.M. | The Treatment of Cerebrospinal Fever. | Dr. H. S. Banks, M.D., D.P.H. |
| | 1.30–3 P.M. | Typhus Fever. | Sir John Megaw, K.C.I.E. |
| | 3–4 P.M. | Practical Management of Wound Shock. | Prof. G. E. Gask, C.M.G., D.S.O., F.R.C.S. |

The fee for the course will be £1 1s., but no fee will be charged in the case of Officers of the Armed Forces who submit a leave certificate and register their name before the commencement of the course. Applications for tickets should be addressed to the Dean, British Postgraduate Medical School, Ducane Road, W.12

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(UNIVERSITY OF LONDON)

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**Monday, 3rd June** .. .. .. **General Principles of Fracture Treatment.**
**Tuesday, 4th June** .. .. .. **Injuries of the Upper Limb.**
**Wednesday, 5th June** .. .. .. **Injuries of the Lower Limb.**
**Thursday, 6th June** .. .. .. **Injuries of Spine, Pelvis, and Hip-joint.**
**Friday, 7th June** .. .. .. **Compound and Infected Fractures. Amputations.**

The Course will be limited to a maximum of 40 students, and applications for admission to the Course should be submitted to the DEAN, BRITISH POSTGRADUATE MEDICAL SCHOOL, DUCANE ROAD, W.12, on or before Tuesday, 28th May. The Course will only be held if a minimum of 15 students apply.

The fee for the Course will be 5 guineas, but a limited number of officers of the Armed Forces will be admitted free, on the receipt of a leave certificate.

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Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupational therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

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The seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North-West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout-fishing in the park.

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For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

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# THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the Treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air, SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-ray controlled). TUBEROULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms: 5 to 7½ Guineas a week inclusive.**

*Med. Supt.:* GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* G. N. BARKER, F.R.C.S. Edin., D.L.O. *Cons. Dent. Surgeon:* GEORGE W. SAUNDERS, L.D.S.R.C.S. Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman Birdlip."

# PRIOR PLACE SANATORIUM

## HEATHERSIDE, CAMBERLEY, SURREY.

## FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made.

## THE RETREAT, YORK

The Pioneer Hospital, opened 1796, for the humane treatment of those suffering from Nervous and Mental Disorder

This Hospital of 200 beds, administered by a Committee of the Society of Friends, combines what is best in the investigation and treatment of nervous illness with a sympathetic and friendly atmosphere. Last year 118 patients were admitted, of whom 84 were voluntary cases.

Much curative work is accomplished in our mental hospitals to-day and the recovery rate compares very favourably with that of our general hospitals.

For information and terms of admission apply to :—
The Physician Superintendent, ARTHUR POOL, M.R.C.P.
(Telephone: York 3612)
who is available for consultation

## COURT HALL, KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS

## CLIFFDEN, TEIGNMOUTH

FOR EARLY AND CONVALESCENT CASES — Recreational Therapies are held daily by skilled Leaders

The house stands high with spacious balconies and extensive views of the South Devon Coast. Beautiful garden. Own Dairy in 25 acres. Private road to beach. There is also a charming house, EBWORTHY, MANATON, DARTMOOR, situated in 20 acres, 1100 ft. up for bracing moorland air.

*Resident Physicians*—BERTHA M. MULES, M.D., B.S. ANNE S. MULES, M.R.C.S., L.R.C.P.

*Telephones*—STARCROSS 59 and TEIGNMOUTH 289

## CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

## PARK SANATORIUM

(FORMERLY SANATORIUM TURBAN)

DAVOS-PLATZ, SWITZERLAND

First-class house, 5,150 ft. above sea-level. Large park and wood belonging to the sanatorium. Terms for board and residence, including room, medical treatment, etc., from Frs. 16.– per day. Prospectus.

Medical Superintendent, F. BAUER, M.D.

## THE OLD MANOR SALISBURY

*A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.*

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

CONVALESCENT HOME AT BOURNEMOUTH — Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 3216 and 3217.

## HAYDOCK LODGE,

NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders, Alcoholism and Drug addiction, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

## CRICHTON ROYAL, DUMFRIES

For NERVOUS AND MENTAL DISORDERS

Separate Villa for patients suffering from the effects of alcoholism and drug addiction. Every facility for complete investigation and individual treatment on the most modern lines. Fully equipped gymnasium, golf course, and indoor swimming pool. Specially trained occupational and recreational therapists. **Special Department for Insulin Therapy.** As the hospital is well endowed terms are exceptionally moderate, e.g., First Department from 3 guineas per week, Second Department, 2 and 2½ guineas per week. Voluntary and certified patients are received. Medical Certificates given anywhere in the British Isles are valid for admission of patients. *For prospectus, necessary forms, and further information apply to :—*

Physician Superintendent, P. K. McCowan, J.P., M.D., F.R.C.P., D.P.M., Barrister-at-Law. *Tel.* Dumfries 1119.

# THE LAW NURSING HOME
## ROCHDALE (Lancs)

Founder: The late SIR A. J. LAW, J.P., M.P.

*A Private Hospital, exclusively for the treatment of POST-ENCEPHALITIC PARKINSONISM, PARKINSON'S DISEASE and ALLIED DISORDERS*

The Nursing Home is governed by Trustees; any surplus is utilized to help patients who cannot afford full fees. Extensive grounds. Hydro. Expert Massage and Physical re-education. Dietary treatment. Equipped with every laboratory apparatus for the investigation and treatment of the diseases. Results of the BULGARIAN TREATMENT published (*Lancet*, 1939, **1**, 693) approx.: 300 patients treated in the last 3 years. Terms moderate. Further particulars apply Medical Superintendent. Tel.: Rochdale 2960.

# THE ROYAL EARLSWOOD INSTITUTION
## FOR MENTAL DEFECTIVES, REDHILL, SURREY.

(Formerly the EARLSWOOD ASYLUM.) PATRON: H.M. THE KING.

*FOR THOSE REQUIRING CONTROL* with EXPERT SUPERVISION and needing SPECIAL TRAINING in useful occupations, *SCHOOLS, FARMING, and various TRADE WORKSHOPS.*

Inclusive fees from £110 p.a. *THOSE UNABLE TO PAY FULL FEES* admitted by votes of subscribers with part payment towards cost.

*RECREATIONS:* Outdoor games. MALE STAFF BAND for Concerts, Dancing, etc.

Apply: THE MEDICAL SUPERINTENDENT, Earlswood, Redhill, Surrey. *'Phone:* REDHILL 344.

# VALE OF CLWYD SANATORIUM

This Sanatorium is established for the treatment of Tuberculosis of the Lungs and the Pleural Cavities. It is situated in the midst of a large area of park-land at a height of 450 feet above sea-level, on the South West slopes of mountains rising to over 1800 feet, which protect it from north and east winds and provide many miles of graduated walks with magnificent views. Average rainfall 29·57 per annum. Full day and night Nursing Staffs. X-Ray plant. Every facility for Artificial Pneumothorax and for operations on the chest. Electric Lighting. Central Heating. Home Farm. Grade A Milk from T.T. Herd.

For particulars apply to Medical Superintendent.

H. MORRISTON DAVIES, M.D., M.Ch. (Cantab.), F.R.C.S., Llanbedr Hall, Ruthin, N. Wales.

# HOLLOWAY SANATORIUM VIRGINIA WATER

**A Registered Hospital for the Treatment of MENTAL DISORDERS of the EDUCATED CLASSES. Founded by THOMAS HOLLOWAY in 1885.**

This Institution is situated in a beautiful and healthy locality within easy reach of London. It is fitted with every comfort. Patients can have Private Bedrooms and Special Nurses as well as the use of General Sitting Rooms, at moderate rates of payment. Voluntary Patients can be admitted.

There is a Branch Establishment at CANFORD CLIFFS, BOURNEMOUTH, where Patients can be sent for a change and be provided with all the comforts of a well-appointed home.

*For Terms, apply to—*

**The RESIDENT MEDICAL SUPERINTENDENT, St. Ann's Heath, Virginia Water, SURREY**

## HOME for EPILEPTICS, MAGHULL

(Near Liverpool)

FARMING and OPEN AIR OCCUPATION for PATIENTS

A few vacancies in 1st and 2nd Class Houses.

FEES:
1st Class (men only) from £5 5s. p.w. upwards.
2nd Class (men and women) 32/- p.w.

*For further particulars apply* Secretary,

C. EDGAR GRISEWOOD, A.C.A., 20 Exchange St. East, Liverpool

## Littleton Hall, Brentwood, Essex.

(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received. Apply to Dr. HAYNES. Tel.: Brentwood 45.

## NORTHUMBERLAND HOUSE

GREEN LANES,
FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Occupational Therapy, Psychotherapy, and other modern forms of treatment. A.R.P. Shelters.

*Telephone:* Stamford Hill 2688.

For further particulars apply to the MEDICAL SUPERINTENDENT

## MALLING PLACE, KENT

For LADIES and GENTLEMEN of Unsound Mind.

Terms moderate. Apply to Resident Medical Superintendent. Telegrams: ADAM WEST MALLING. Telephone No. 2: MALLING.

## FENSTANTON, at "FIVE DIAMONDS," Chalfont St. Giles, Bucks.

A Private Home for the Care and Treatment of a limited number of LADIES with Mental and Nervous Disorders. Certified, Voluntary, and Temporary Patients received. Mansion with 12 acres of ground. (*See Medical Directory*, p. 2346.) Apply Resident Physician. Telephone: Little Chalfont 2046. Station: Chalfont and Latimer.

## CHISWICK HOUSE,
**PINNER, MIDDLESEX.**
**Telephone: PINNER 234.**

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.

DOUGLAS MACAULAY, M.D., D.P.M.

## CITY OF LONDON MENTAL HOSPITAL
**Near DARTFORD, KENT.**

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of £2 9s., and upwards.

## THE COPPICE, NOTTINGHAM.
**HOSPITAL FOR MENTAL DISEASES.**
**President: The Right Hon. LORD BELPER.**

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

Telephone: 64117 Nottingham.

## UNIVERSITY EXAMINATION POSTAL INSTITUTION
Founded in 1882 by E. S. WEYMOUTH, M.A.
**Postal or Oral Preparation for all Medical Examinations.**

### SOME SUCCESSES

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M.D. (various), by Thesis. Many Successes.
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**MEDICAL PROSPECTUS (36 pages),**
sent gratis, along with List of Tutors, &c., on application to the Principal, 17, Red Lion-square, London, W.C.1. (Telephone: Holborn 6313.)


## King Edward Memorial Hospital,
Mattock-lane, Ealing, W.13.

CASUALTY OFFICER AND DEPUTY RESIDENT MEDICAL OFFICER (Male) required immediately; six months' appointment with possibility of re-election for a further period. Salary £225 per annum, with usual residential emoluments.

Applications, stating age, experience, and qualifications, together with copies of two recent testimonials, should be sent to the undersigned as soon as possible.

R. A. MICKELWRIGHT, House Governor.

## King Edward Memorial Hospital,
Mattock-lane, Ealing, W.13.

CASUALTY OFFICER AND HOUSE SURGEON (Male) required to undertake casualty duties and act as House Surgeon for orthopædics, children, and eyes. Six months' appointment from 1st May, 1940. Salary £150 per annum, with usual residential emoluments.

Applications, stating age, experience, and qualifications, together with copies of two recent testimonials, should be sent to the undersigned as soon as possible.

R. A. MICKELWRIGHT, House Governor.

## British Postgraduate Medical School.

There is a vacancy for Five HOUSE PHYSICIANS in the DEPARTMENT OF MEDICINE, British Postgraduate Medical School, Hammersmith Hospital. The appointment is for six months and not renewable. Salary £105 per annum, with board, residence, and laundry. Duties commence on June 1st, 1940.

Applications from Practitioners eligible for military service will not be considered. An exception to this condition will be made in the case of Practitioners who have been qualified less than six months

Applications, with copies of testimonials, should be sent to the Dean, British Postgraduate Medical School, Ducane-road, London, W.12, to arrive not later than first post on Tuesday, May 14th, 1940.

## British Postgraduate Medical School.

There is a vacancy for an OBSTETRIC HOUSE SURGEON in the DEPARTMENT OF GYNÆCOLOGY AND OBSTETRICS, British Postgraduate Medical School, Hammersmith Hospital. The appointment is for six months and not renewable. Salary £105 per annum, with board, residence, and laundry. Duties commence on the 1st June, 1940.

Applications from Practitioners eligible for military service will not be considered. An exception to this condition will be made in the case of those who have been qualified less than six months.

Applications, with copies of testimonials, should be sent to the Dean, British Postgraduate Medical School, Ducane-road, London, W.12, to arrive not later than first post on Tuesday, 14th May, 1940.

## The Hospital for Sick Children,
Great Ormond-street, London, W.C.1.

Vacancies for HOUSE PHYSICIANS and HOUSE SURGEONS will occur early in June, 1940.

The appointments are tenable for six months. Salaries at the rate of £100 per annum, with full board and residence.

Candidates, who must possess a legal qualification to practise and preferably have held a responsible resident appointment at a General Hospital, are required to send in their applications and recent testimonials by NOON on Monday, 27th May, 1940, and to attend for interview on Wednesday, 5th June, at 4.45 P.M.

Further particulars and forms of application are obtainable from the undersigned.

HERBERT F. RUTHERFORD, Secretary.

May, 1940.

## Queen's Hospital for Children,
Hackney-road, E.2.

HOUSE PHYSICIAN required 1st June, 1940.
CASUALTY OFFICER required 1st June, 1940.
HOUSE SURGEON required 1st July, 1940.

Six months' appointments. Salary at rate of £100 per annum, with board, lodging, and laundry. Candidates must have had some previous experience and be prepared to participate in the Emergency Hospital arrangements in connexion with which beds have been reserved and in respect of which additional remuneration is payable.

Applications must be made on forms to be obtained from the undersigned and be sent in, with copies of not more than three testimonials, on or before 22nd May, 1940.

CHARLES H. BESSELL, Secretary.

## Ministry of Supply.

MEDICAL OFFICERS FOR ROYAL ORDNANCE FACTORIES.

Medical Officers (Male or Female) required for full-time service at Explosives and Filling Factories at various stations in Great Britain. Salary £650 a year (fixed rate).

Duties include medical examination of candidates for employment, treatment of sickness at work and minor injuries, and medical supervision of preventive measures against injurious effects of contact with chemicals or explosives. Knowledge of provisions of Factories Acts an advantage.

Application form obtainable by postcard addressed to the Ministry of Supply (S.E.3B), The Adelphi, London, W.C.2, and to be returned not later than the 20th May, 1940. Quote Appts. 029 (S.E.3B).

## Royal Chest Hospital,
City-road, E.C.1.
(Royal Northern Group of Hospitals.)

Applications are invited for the following post:—
HOUSE PHYSICIAN (Male). Vacant 1st June for a period of six months. Salary at the rate of £200 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by the 17th May to the undersigned, from whom the necessary forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.

Royal Northern Hospital, Holloway, London, N.7.

## The Hospital for Sick Children,
Gt. Ormond-street, London, W.C.1.

A RESIDENT ASSISTANT AND CLINICAL PATHOLOGIST is required soon. Salary £125 per annum.

Full particulars and forms of application are obtainable from the Secretary.

## The South London Hospital for WOMEN, Clapham Common, S.W.4.

A General Hospital for Women and Children.

Applications are invited from Medical Women for the undermentioned appointment:—

HOUSE SURGEON for a period of six months, from 1st June, 1940.

Salary at the rate of £100 per annum, with board, residence, and laundry.

Candidates are requested to call on members of the Hon. Medical Staff and applications and copies of testimonials must reach the Secretary at the Hospital, as soon as possible.

## The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter)
Fulham Road, London, S.W.3.

Applications are invited for the post of HOUSE SURGEON (Resident) to be attached to the RADIUM DEPARTMENT. Candidates must be registered Medical Practitioners.

Salary £100 per annum.

Facilities afforded for Post-Graduate Study.

The appointment is for six months, commencing 1st June, 1940.

Applications, to be made on a form which will be supplied by the Secretary, together with copies only of three recent testimonials, should be sent to the Secretary not later than the first post on Thursday, 16th May, 1940.

CLEMENT COBBOLD, Secretary.

## The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter)
Fulham Road, London, S.W.3.

Applications are invited for the post of ASSISTANT RADIUM THERAPIST (full-time).

Applicants must be registered Medical Practitioners, who hold a Diploma in Radiology.

The appointment will be for the duration of the War, commencing on the 1st June, 1940, at a salary at the rate of £400 per annum.

Applications, to be made on a form which will be supplied by the Secretary, together with copies only of three recent testimonials, should be sent to the Secretary not later than the first post Thursday, 16th May, 1940.

CLEMENT COBBOLD, Secretary.

## The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter)
Fulham Road, London, S.W.3.

Applications are invited for the post of HOUSE SURGEON to commence duties on the 1st July, 1940.

Salary at the rate of £100 per annum. The appointment is for six months, and subject to rules, a copy of which may be obtained from the Secretary.

Applications, to be made on a form which will be supplied by the Secretary, together with copies only of three recent testimonials, should be sent to the Secretary not later than the first post on Thursday, 16th May, 1940.

CLEMENT COBBOLD, Secretary.

## Royal Eye Hospital,

St. George's-circus, S.E.1.

ASSISTANT HOUSE SURGEON required at the above Hospital. The appointment is in the first instance for a period of six months, with board and residence. Salary £100 per annum. Candidates must be duly registered Medical Practitioners.

Applications, with copies of three recent testimonials, should be sent to the Secretary not later than Monday, 13th May.

## Miller General Hospital.

Greenwich High-road, S.E.10.

Applications are invited for the following posts: Two HOUSE PHYSICIANS. Salary £100 per annum. Candidates (Male) must be unmarried. Board, residence, and laundry are provided. CASUALTY OFFICER. Male; part-time; morning session. Salary £150 per annum, non-resident. Fuller particulars on application. OUT-PATIENT OFFICER (Male; part-time) who is required to see Medical and Surgical cases. Salary £150 per annum, non-resident. The appointments are for six months from 1st July, 1940. There are five Resident Officers. Application forms can be obtained from the Secretary, and must be returned not later than 28th May, 1940.

7th May, 1940.

## Enfield, Edmonton and Potters Bar

(E.M.S.) HOSPITAL, Winchmore Hill, N.21.

Applications are invited from fully qualified and registered Medical Practitioners (Male or Female) for the post of HOUSE SURGEON at the above hospital.

The appointment will be for a period of three months in the first instance, but may be renewed, and will be subject to one month's notice of termination. Salary at the rate of £200 per annum, with board, lodging, and laundry provided.

Apply, giving age, nationality, year of qualification, experience, and date when free, together with recent testimonials, to the Medical Superintendent, Isolation Hospital, World's End, Winchmore Hill, N.21.

## Tilbury Hospital, Tilbury, Essex.

The Committee of Management of the Seamen's Hospital Society will receive applications for the post of RESIDENT HOUSE OFFICER. "A" For the six months commencing 1st June, 1940. Salary at the rate of £200 per annum, with board, residence, and laundry. Applications, to be forwarded immediately to the undersigned with copies of not more than three recent testimonials.

F. A. LYON, Secretary.

Seamen's Hospital Society, Greenwich, S.E.10.

## Borough of Heston and Isleworth.

TEMPORARY ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the post of Temporary Assistant Medical Officer. A public health degree or diploma is desirable.

The duties will be mainly in connexion with the Maternity and Child Welfare and the School Medical Services, together with such other duties as the Medical Officer of Health may direct.

The salary will be £550 per annum. The appointment is for a period of twelve months but may be extended and is terminable at any time by one month's notice.

Forms of application may be obtained from the Medical Officer of Health, 92, Bath-road, Hounslow, and completed applications, accompanied by not more than three recent testimonials and endorsed "Assistant Medical Officer," should be submitted to the undersigned not later than 16th May, 1940.

H. SWANN, Town Clerk.

Council House, Hounslow.

## Surrey County Council.

PUBLIC HEALTH DEPARTMENT.

ASSISTANT MEDICAL OFFICER (OBSTETRICAL).

Applications are invited for the above temporary resident appointment at REDHILL COUNTY HOSPITAL, Earlswood Common, Redhill, which has 40 Obstetric Beds. The duties will be primarily obstetrical, and the salary will be at the rate of £350 per annum, plus full residential emoluments valued at £125 per annum.

It is anticipated that the appointment will be available for the duration of the war, as the permanent obstetrical officer has been transferred to a special war-time appointment.

Applications, stating age and experience, and enclosing copies of not more than three testimonials, should be sent to the Medical Superintendent of the Hospital so as to reach him not later than the 15th May, 1940.

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-upon-Thames, 3rd May, 1940.

## Surrey County Council.

PUBLIC HEALTH DEPARTMENT.
KINGSTON COUNTY HOSPITAL. (600 Beds.)

Applications are invited for the temporary appointment of RESIDENT SURGEON at Kingston County Hospital. Salary according to qualifications and experience at an appropriate point on the scale £600 × £25 to £725, plus full residential emoluments valued at £125 per annum. It is anticipated that the appointment will be available for the duration of the war, as the officer holding the permanent post is being transferred to a special war-time position. The appointment will be terminable at one month's notice on either side. Applicants must possess a higher surgical qualification and must have had considerable operating experience. Applications to be sent to Mr. Kidd, F.R.C.S., Medical Superintendent, Kingston County Hospital, Kingston-on-Thames, by 15th May, 1940.

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-on-Thames, 10th May, 1940.

## The Children's Hospital, Sheffield.

(INC.). (157 Beds.)

Applications are invited for the post of HOUSE SURGEON, vacant 1st June, 1940.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry.

Candidates (unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

## Royal Eye and Ear Hospital, Bradford.

HOUSE SURGEON wanted immediately for EAR, NOSE AND THROAT DEPARTMENT. Salary £180, with board, residence, and laundry.

Applications, stating age, experience, and copies of testimonials, to be forwarded to the undersigned.

F. BRIGGS, Secretary-Superintendent.

## Taunton and Somerset Hospital.

(132 Beds.)

HOUSE PHYSICIAN required (male or female). Two House Surgeons also in residence. Salary at the rate of £150 per annum, with board, lodging, and laundry, and the retention of certain fees.

Applications, with copies of not more than three recent testimonials, to F. J. J. STACEY, Secretary, Taunton & Somerset Hospital, Taunton, Somerset.

## Royal Halifax Infirmary.

Hospital recognised by the Royal College of Surgeons (England).

Wanted, a SECOND HOUSE SURGEON, Male or Female. Candidates must be duly qualified and registered. Salary £175 per annum, with residence, board, and laundry.

Also wanted, a CASUALTY OFFICER, Male or Female, in charge of Fracture Clinic. Candidates must be duly qualified and registered. Salary £150 per annum, with residence, board, and laundry.

Salary in both cases to include all services required in connection with Paying Patients' Ward.

The Resident Staff consists of Resident Surgical Officer, House Physician, two House Surgeons, and Casualty Officer. The Hospital contains Maternity and Paying Patients' Blocks. Also a Pathological Department, a large Eye, Ear, Nose, and Throat Department, Radiological Department, and Radium Clinic.

Particulars of the duties may be obtained from the undersigned, to whom applications, stating age and nationality, together with testimonials, should be sent.

29th April, 1940. A. MIDGLEY, Secretary.

## Preston and County of Lancaster.

QUEEN VICTORIA ROYAL INFIRMARY.
(404 Beds.)

Applications are invited for the following vacant posts which are also open to Women Practitioners:

HOUSE SURGEON. Duties under Consulting Surgeon. This post is recognised as approved experience for the F.R.C.S. Diploma.

HOUSE SURGEON to EYE, EAR, NOSE, AND THROAT DEPARTMENTS. Duties in Special Wards and Clinics.

Salary in each case at the rate of £150 per annum, with board, residence, and laundry. Six months' appointment.

Applications, stating age and qualifications, accompanied by copy testimonials, to be forwarded to the undersigned immediately.

JOHN GIBSON, Superintendent and Secretary.

## The Royal Hospital, Wolverhampton.

(Incorporated under Royal Charter.)

HOUSE SURGEONS (2) (GENERAL SURGERY)
HOUSE SURGEON (EAR, NOSE, AND THROAT DEPARTMENT).
CASUALTY OFFICER. Duties to commence forthwith.

Applications are invited for the above resident posts.

The Hospital contains 300 Beds, includes the usual special departments, and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts, and unmarried.

The appointments are for six months. Salary £100 per annum. Board, furnished room, and laundry provided.

Applications, with copies of testimonials, to be forwarded to the undersigned.

W. H. HARPER, House Governor.

Wolverhampton, 29th April, 1940.

## City of Leeds.

PUBLIC HEALTH DEPARTMENT.

ST. MARY'S INFIRMARY, ARMLEY, LEEDS, 12.

RESIDENT MEDICAL OFFICER.

A Resident Medical Officer is required for St. Mary's Infirmary, Leeds (250 Beds). The hospital is a general hospital for chronic and semi-chronic cases with a section of twenty-five beds devoted to maternity.

The appointment is for twelve months and the salary is £250 per annum, inclusive, together with full residential emoluments. Any fees received must be paid into the city funds.

Candidates must have had experience in midwifery subsequent to qualifying. The duties of the officer include lecturing to the nursing staff and instruction of pupil midwives.

Applications, stating age, qualifications, &c., together with copies of three recent testimonials, to be forwarded to the undersigned not later than 10 A.M., on Saturday, 18th May, 1940.

Canvassing in any form, either directly or indirectly, will be a disqualification.

J. JOHNSTONE JERVIS, Medical Officer of Health.
Public Health Department, 12, Market Buildings,
Vicar-lane, Leeds, 1.

## Free Eye Hospital, Southampton.

The Committee require the services of a duly qualified HOUSE SURGEON for a period of six months, to commence duty immediately. Salary £150 per annum, with board, residence, and laundry.

Applications, stating date of registration, with three recent testimonials, to be sent to the Secretary by an early post.

## Grosvenor Sanatorium, Ashford, Kent.

(236 Beds—4 Resident Medical Officers.)

Applications are invited for the following appointment:—

HOUSE PHYSICIAN. The appointment is for a period of at least six months at a salary of £100 per annum, with board, lodging, and laundry.

Applications, stating age, qualifications, and nationality, accompanied by copies of recent testimonials, to be sent to the Medical Superintendent.

## Royal Berkshire Hospital, Reading.

Applications are invited for the post of CASUALTY OFFICER (Male) which falls vacant on June 1st, 1940.

The appointment is for six months, and candidates must be fully qualified and registered.

Remuneration at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age and experience, with copies of testimonials, to be sent to the undersigned as soon as possible.

H. E. RYAN, Secretary and House Governor.

## Royal Berkshire Hospital, Reading.

Applications are invited for the post of HOUSE SURGEON (Male) which falls vacant on June 1st, 1940. The appointment is for six months and candidates must be fully qualified and registered. Remuneration at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age and experience, with copies of testimonials, to be sent to the undersigned as soon as possible.

H. E. RYAN, Secretary and House Governor.

## County Council of Essex and Urban

DISTRICT COUNCIL OF THURROCK.

APPOINTMENT OF LADY ASSISTANT COUNTY MEDICAL OFFICER AND ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited for the undermentioned appointments:—

| | Minimum commencing salary per annum. |
|---|---|
| | £ |
| ASSISTANT COUNTY MEDICAL OFFICER | 140 |
| ASSISTANT MEDICAL OFFICER OF HEALTH for the Urban District of Thurrock .. .. | 360 |
| | £500 |

Applicants must be duly qualified Medical Practitioners, with special experience in Obstetrics, hold a Diploma in Public Health, and should not be over forty-five years of age, but a candidate's period of service in the late War will be deducted.

The person appointed will be required to pass a medical examination and to contribute to the appropriate Superannuation funds established by each authority.

The total salary of the person appointed will rise, subject to satisfactory service, by annual increments of £25 to £700 per annum. If the person appointed undertakes on behalf of the Urban District Council of Thurrock attendance at a Women's Welfare Clinic, an additional £12 12s. per annum will be payable to her by the District Council. A travelling allowance of £9 per annum is payable by the Urban District Council of Thurrock.

The appointment to the Office of Assistant County Medical Officer will be subject to the Sick Pay Rules and Regulations of the County Council, a copy of which will be forwarded on application.

Applications on the prescribed form (obtainable from the undersigned E. S. Holcroft), should be delivered at the County Hall, Chelmsford, not later than Monday, the 27th day of May, 1940.

E. S. HOLCROFT, Clerk of the County Council.
A. E. POOLE, Clerk to the Urban District Council of Thurrock.
County Hall, Chelmsford, 7th May, 1940.

## Devonshire Royal Hospital, Buxton,

DERBYSHIRE. (300 Beds.)
(A National Hospital for Rheumatism and Allied Diseases.)

HOUSE PHYSICIAN (Male). Salary £150, rising to £175 after three months' service (and prospects of promotion to Resident Medical Officer), with board, residence, and laundry.

Candidates must be fully qualified and registered.

The appointment is for a minimum period of six months, and may be extended for a further period of six months.

Applications, endorsed "Medical Appointment," stating age, experience, and qualifications, together with copies of three recent testimonials, must be forwarded without delay to the undersigned, from whom any further particulars may be obtained.

A. PRESTON TURNER,
General Superintendent and Secretary.

## Montagu Hospital, Mexborough.

(120 Beds. 3 Residents.)

Applications are invited for the combined post of RESIDENT HOUSE PHYSICIAN AND OBSTETRIC OFFICER (Lady), commencing salary £125 per annum, with the usual residential emoluments. The appointment is for six months and is renewable.

Applications, stating age, nationality, qualifications, and experience, accompanied with copy of testimonials, to be sent to the undersigned immediately.

A. LAYCOCK, Secretary-Superintendent.

## Bristol Eye Hospital.

LOCUM TENENS IMMEDIATE VACANCY.

Applications are invited for the post of RESIDENT HOUSE SURGEON (either sex) until June 30th. Salary £6 6s. per week.

Applications, stating age and qualifications, should be sent to the undersigned without delay.

D. M. BARER, Secretary and House Governor.

## General Hospital, Nottingham.
(389 Beds.)

A RESIDENT CASUALTY OFFICER (Male or Female) is required at the above Institution. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.

Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned. Duties to commence as soon as possible.

H. M. STANLEY, House Governor and Secretary.

## County Borough of Huddersfield.

ST. LUKE'S HOSPITAL.

RESIDENT MEDICAL OFFICER.

Applications are invited for the above appointment. The work is chiefly medical, though the Hospital has been equipped as an emergency hospital. Salary £230 per annum, with board, residence, and laundry.

Applications, stating age, training, qualifications, and experience, should be forwarded to the Medical Officer of Health, Huddersfield.

SAMUEL PROCTER, Town Clerk.

Town Hall, Huddersfield.

## Royal Manchester Children's Hospital,
PENDLEBURY, Near MANCHESTER.
(232 Beds.)

RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer. Salary £150 per annum. The appointment is for a period of six months commencing 1st July, 1940. Candidates must be unmarried and duly registered. Previous hospital experience essential.

Applications, stating age and accompanied by copies of not more than three recent testimonials, to be sent to the undersigned not later than Wednesday, 29th May, 1940. Canvassing, directly or indirectly, may disqualify.

By Order,
H. HEARDMAN, Secretary.

## General Hospital, Nottingham.
(389 Beds.)

A HOUSE SURGEON (Male or Female) is required for the AURAL DEPARTMENT containing 40 Beds and a large Out-patient Department. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.

Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned as soon as possible.

Duties to commence on or about June 1st.

HENRY M. STANLEY, House Governor and Secretary.

## County Borough of Smethwick.

ST. CHAD'S HOSPITAL.

HOUSE PHYSICIAN AND ANÆSTHETIST.

Applications are invited from registered Medical Practitioners for the appointment of House Physician and Anæsthetist at the Council's Municipal Hospital. The appointment will be for a period of six months at a salary at the rate of £150 per annum, with the usual emoluments. If the successful candidate is reappointed for a further period of six months, the salary will be at the rate of £200 per annum.

The Hospital contains 147 Beds, and the cases treated include General Medical, Acute Surgical, and Maternity patients. It is staffed by the Honorary Consultants of the Birmingham teaching hospitals.

Forms of application may be obtained from the Medical Superintendent, St. Chad's Hospital, Hagley-road, Birmingham, 16, to whom applications, endorsed "House Physician" and accompanied by copies of three recent testimonials, must be delivered not later than 22nd May, 1940.

Canvassing, directly or indirectly, will disqualify.

FRANK CHAPMAN, Town Clerk.

Council House, Smethwick, 6th May, 1940.

## County Borough of Middlesbrough.

HEALTH DEPARTMENT.

HEMLINGTON EMERGENCY HOSPITAL.

Applications are invited for the appointment of RESIDENT SURGICAL OFFICER at the above Emergency Hospital, at a salary of £550 per annum, plus usual residential emoluments.

The successful candidate may, at the Council's discretion, be required to live outside the Hospital, in which case £100 per annum will be payable in lieu of the residential emoluments.

The candidate must have had wide surgical experience. He will be generally responsible to the Medical Officer of Health.

The successful candidate will be required to pass satisfactorily a medical examination.

Applications, accompanied by copies of three recent testimonials, to be sent immediately to the Medical Officer of Health, Health Department, Municipal Buildings, Middlesbrough.

PRESTON KITCHEN, Town Clerk.

Municipal Buildings, Middlesbrough, 4th May, 1940.

## The Prince of Wales's Hospital,
PLYMOUTH.

Applications are invited for the post of SENIOR HOUSE SURGEON for duty at the DEVONPORT SECTION (64 Beds.)

Salary £130 per annum, with board, residence, and laundry.

Appointment is tenable for six months and is subject to renewal. Duties to commence 7th June.

Applicants must be registered under the Medical Acts.

The Hospital is officially recognised for the surgical practice required before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.

Applications, stating age and qualifications, with copies of three recent testimonials, must reach the undersigned by the 24th May. ARTHUR R. CASH, General Superintendent.

4th May, 1940.

## The Prince of Wales's Hospital,
Greenbank-road, PLYMOUTH.
(254 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male).

Salary £225 per annum, with board, residence, and laundry.

Appointment is tenable for six months and is subject to renewal. Duties to commence 20th June.

Applicants must be registered under the Medical Acts and it is desirable they should possess the F.R.C.S. England or Edinburgh.

Applications, stating age and qualifications, together with copies of three recent testimonials, to reach the undersigned by 24th May. ARTHUR R. CASH, General Superintendent.

4th May, 1940.

## York County Hospital.
(222 Beds.)

Applications are invited for the following resident posts :—

(a) HOUSE SURGEON.
(b) HOUSE PHYSICIAN.

The salary attaching to either is £150 per annum, with board, residence, and laundry.

Applications, stating age and previous experience, together with copies of not more than three recent testimonials, to be sent to the undersigned not later than 9 A.M., on Friday, 24th May, 1940. J. R. MACKRILL, Secretary.

## Bootle General Hospital,
BOOTLE, LIVERPOOL 20.

HOUSE PHYSICIAN.
HOUSE SURGEON to SPECIAL DEPARTMENTS (Fracture, Orthopædic, Gynæcology, Ear, Nose, and Throat).

Applications are invited for the above posts from the 1st June next. The salary attached to each post is £150 per annum, with board, residence, and laundry.

Applicants must be duly qualified and registered under the Medical Act.

Applications, with copies of testimonials, should reach me as soon as possible.

A. J. COOPER, Secretary-Superintendent.

## The Chester Royal Infirmary.
(Normal Capacity 225 Beds.)

Applications are invited for the post of HOUSE PHYSICIAN to take up duties on 1st June.

The appointment is approved in connexion with the M.D. Examination of the University of London.

Salary £150 per annum, with board, lodging, and laundry.

Application list closes 24th May.

Application forms may be obtained from—

W. H. GRACE, M.D., F.R.C.P.,
Hon. Secretary, Medical Committee.

## The Children's Hospital,
KING EDWARD VII MEMORIAL,
BIRMINGHAM, 16.

HOUSE SURGEON No. 3.

Applications are invited for the above post. The salary is at the rate of £75 per annum, with board, residence, and laundry, but if candidates have held satisfactory appointments at approved hospitals the salary will be at the rate of £100 per annum. The appointment is tenable for six months as from 1st July, 1940. Candidates, who must be fully qualified and registered, should send in their applications to the undersigned on or before 1st June, 1940.

HAROLD F. SHRIMPTON, House Governor.

## Birmingham and Midland Eye
HOSPITAL.

Applications are invited from duly qualified Medical Practitioners for the post of RESIDENT SURGICAL OFFICER at the above Hospital. Salary £200 per annum and £10 laundry allowance. The Resident Staff consists of a Resident Surgical Officer and three House Surgeons, and, in the event of one of the latter being promoted to the position of Resident Surgical Officer, applicants should state whether they will be willing to accept appointment as House Surgeon at a salary of £130 (rising to £150 at the end of six months' satisfactory service) per annum. Applications, with testimonials and evidence of registration, must be received not later than Friday, 24th May next, and should be addressed to the Chairman of the Medical Board.

Church-street, Birmingham, 3.

## Borough of Rowley Regis.

APPOINTMENT OF DEPUTY MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER (FEMALE).

Applications are invited from fully qualified Medical Women for the post of Deputy Medical Officer of Health and Assistant School Medical Officer. Salary will be £500 per annum, rising by annual increments of £25 to £700 subject to a deduction under the Local Government Officers' Superannuation Act. Further particulars of the appointment and forms of application may be obtained from the undersigned, to whom applications, together with copies of three recent testimonials, should be forwarded not later than May 27th, 1940.

FRANK ASKER, Medical Officer of Health.

Municipal Offices, Old Hill, Staffs.

## Lancashire County Council.

BIDDULPH GRANGE ORTHOPÆDIC HOSPITAL.

Applications are invited from duly qualified and registered Medical Practitioners (Male or Female) for the following posts at the above Hospital, which contains 88 Beds:—

SENIOR HOUSE SURGEON. Salary £300 per annum, together with board, residence, and laundry. Candidates must have had experience in a General Hospital. Preference will be given to candidates who have had orthopædic experience.

JUNIOR HOUSE SURGEON. Salary £250 per annum, together with board, residence, and laundry. Preference will be given to candidates who have held resident hospital appointments and who are competent anæsthetists.

Both appointments will be for a period of six months in the first instance, and for a further six months at the option of the Council, but will not be renewable after that time. Duties to commence as early as possible.

Applications, with copies of two recent testimonials, should be sent, not later than the 25th May, 1940, to Dr. F. Hall, School Medical and Child Welfare Department, County Offices, Preston. GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston, May, 1940.

## Manchester Royal Infirmary.

Two HOUSE SURGEONS to GENERAL SURGICAL UNITS.

One HOUSE SURGEON to AURAL, GYNÆCOLOGICAL, OPHTHALMIC and DERMATOLOGICAL DEPARTMENTS.

The Board of Management of the Manchester Royal Infirmary invite applications for the above appointments.

The appointments of House Surgeons to the General Surgical Units are for eight months and that of the House Surgeon to the Special Departments is for six months, subject to the provisions of the bye-laws as to notice, &c. Salaries at the rate of £50 per annum, with board-residence and allowance for laundry.

Applicants must hold a Medical and Surgical qualification and be registered.

Applications, stating age, qualifications, and experience, to be sent to the Chairman of the Medical Board not later than 13th May, 1940. By Order,

F. J. CABLE, General Superintendent and Secretary.

6th May, 1940.

## Manchester Royal Infirmary.

BARNES CONVALESCENT HOSPITAL.

RESIDENT JUNIOR MEDICAL OFFICER.

The Board of Management of the Manchester Royal Infirmary invite applications for the above post vacant on 14th June, 1940.

Applicants must hold a Medical and Surgical qualification and be registered and have held a hospital appointment.

The appointment is for six months, renewable for a further period of six months, subject to the provisions of the bye-laws as to notice, &c. Salary at the rate of £150 per annum, with board-residence and allowance for laundry.

Applications, stating age, with testimonials, to be sent to the Chairman of the Medical Board not later than 21st May, 1940.

By Order,

F. J. CABLE, General Superintendent and Secretary.

6th May, 1940.

## Manchester Royal Infirmary.

MEDICAL CHIEF ASSISTANT (Non-resident).

The Board of Management invite applications for the above appointment. Applicants must be registered Medical Practitioners. Higher qualifications desirable. The candidate appointed will be attached to a medical unit and will be required to attend on seven half-sessions per week, of which at least five will be morning sessions. Duties will include work in the In-patient and Out-patient Departments and participation in teaching. There will be facilities for research work. Salary £300 per annum. The appointment will be for one year in the first instance, but may be renewed for two further periods of one year subject to the provisions of the Bye-laws as to notice, &c. Candidates should forward fifteen copies of their applications, giving particulars of age, experience, &c., together with fifteen copies of recent testimonials, not later than 9 A.M., Wednesday, 22nd May, 1940, to the undersigned, from whom further information may be obtained.

By Order,

F. J. CABLE, General Superintendent and Secretary.

6th May, 1940.

## Royal Sussex County Hospital,

BRIGHTON. (395 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male, unmarried). The appointment will be tenable for a period of twelve months and subject to renewal. Salary £300 per annum, with board, residence, and laundry. Candidates must be a Master of Surgery or a Fellow of the Royal College of Surgeons of England or Edinburgh. Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be forwarded to the undersigned not later than the 27th May, 1940.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

## Royal Sussex County Hospital,

BRIGHTON.

Applications are invited for the following vacancies:—

HONORARY MEDICAL REGISTRAR.

HONORARY SURGICAL REGISTRARS (Two).

Candidates must hold a Medical and Surgical qualification of the British Empire and be duly registered under the Medical Acts. The appointments will be for a period of three years, the successful candidates being eligible for re-election at the end of that period. Applications must reach the undersigned at the Hospital before 12 NOON on the 27th May, 1940.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

## Derbyshire Royal Infirmary.

(GENERAL HOSPITAL. 416 Beds.)

Applications are invited for the post of HOUSE SURGEON for CASUALTY DEPARTMENT (Male or Female). Candidates must be qualified and registered under the Medical Acts. Salary will be £150 per annum, with apartments, board, &c. Applications, with copies of testimonials, to be sent to the undersigned, as early as possible.

ARTHUR TAYLOR, Superintendent and Secretary.

7th May, 1940.

## Royal Sheffield Infirmary and HOSPITAL.

THE ROYAL INFIRMARY, SHEFFIELD.

(476 Beds.)

Applications are invited for the undermentioned resident posts:—

(*a*) OPHTHALMIC HOUSE SURGEON.

(*b*) HOUSE SURGEON TO EAR, NOSE, AND THROAT DEPARTMENT.

(*c*) HOUSE SURGEON.

The salary attached to (*a*) varies from £80 to £120 per annum according to experience, and (*b*) and (*c*) £80 per annum, rising to £100 per annum after six months' service, with board and residence in each case.

The posts are tenable for the period of six months commencing 1st May, 1940.

Applications, with copies of recent testimonials, to be forwarded to the undersigned forthwith.

H. KINGSLEY PEARCE,
General Superintendent and Secretary.

29th April, 1940.

## Royal Sheffield Infirmary and Hospital.

The Court of Management invite applications for the post of whole-time non-resident ANÆSTHETIST chiefly for the Neurological Clinic. Private practice in this specialty will be allowed. Salary £350–£450 per annum, according to experience.

W. H. BOOTH, Secretary.

The Royal Hospital, Sheffield, 1.

## The Prince of Wales's Hospital,

Greenbank-road, PLYMOUTH.

(Formerly the South Devon and East Cornwall Hospital).

(254 Beds.)

Applications are invited for the post of HOUSE SURGEON. Salary £120 per annum, with board, residence, and laundry.

Appointment is tenable for six months and is subject to renewal. Duties to commence 5th June.

The Hospital is officially recognised for the surgical practice required before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.

Applicants must be registered under the Medical Acts and be members of either the Medical Defence Union or the London Counties Medical Protection Society.

Applications, stating age and qualifications, with copies of three recent testimonials, to reach the undersigned by 24th May.

ARTHUR R. CASH, General Superintendent.

4th May, 1940.

## Manchester Victoria Memorial Jewish

HOSPITAL, CHEETHAM.

(Non-Sectarian.) (102 Beds.)

Applications are invited for the post of JUNIOR HOUSE SURGEON AND CASUALTY OFFICER (Male).

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, together with copies of three recent testimonials, to be forwarded to the undersigned not later than Monday, May 20th, 1940.

D. ROBERTS, Superintendent and Secretary.

## Bucks County Council.

PUBLIC HEALTH DEPARTMENT.

TEMPORARY HOUSE PHYSICIAN—
EMERGENCY MATERNITY HOME

Applications are invited from duly qualified and registered Medical Practitioners for the post of House Physician at the Emergency Maternity Home, Amersham. This home of 48 Beds is set up under the Government Evacuation Scheme, receives all types of maternity cases as well as being the hospital for difficult cases from other homes under this scheme. The successful candidate will be required to devote the whole of his (her) time to the duties of the appointment, and will work under the supervision of the resident obstetric consultant.

The appointment is a temporary one for six months in the first instance and the salary is at the rate of £200 per annum, with board and residence. Forms of application may be obtained from the County Medical Officer, County Offices, Aylesbury, and should be returned to him, with copies of not more than three recent testimonials, not later than 22nd May, 1940.

GUY R. CROUCH, Clerk of the County Council.

County Hall, Aylesbury, 4th May, 1940.

## The Royal Infirmary, Sunderland.

(288 Beds.)

Applications are invited for the post of CASUALTY OFFICER AND HOUSE SURGEON to the EAR, NOSE, AND THROAT DEPARTMENT (Male) for a period of six months from 1st June, 1940, at a salary of £120 per annum, with board, residence, laundry, &c.

The Resident Medical Staff consists of a R.S.O. and seven others. The surgical appointments are recognised by the Royal College of Surgeons of England for the six months, training required of candidates before admission to the Final Examination for the Fellowship.

Applications to be received by the House Governor and Secretary not later than 20th May.

## Royal Sheffield Infirmary and Hospital.

THE ROYAL INFIRMARY, SHEFFIELD.
(476 Beds.)

(1) Two SURGICAL FIRST ASSISTANTS to two SURGICAL UNITS.
(2) FIRST ASSISTANT to OPHTHALMIC DEPARTMENT.
(3) FIRST ASSISTANT to EAR, NOSE, AND THROAT DEPARTMENT.

Applications are invited for the above posts.

The appointments are whole time and limited to Hospital practice. They are non-resident and tenable for six months. Successful candidates will be eligible for re-election.

Applicants for (1) and (3) must be Fellows of the Royal College of Surgeons.

The salary attached to each post is £300 per annum.

Applications, giving full particulars as to age and previous experience, &c., with copies only of recent testimonials, to be forwarded to the undersigned not later than Tuesday, 21st May, 1940.

H. KINGSLEY PEARCE, General Superintendent and Secretary.
4th May, 1940.

## Nottingham and Midland Eye

INFIRMARY.

RESIDENT HOUSE SURGEON required end of May. 54 Beds. Large Out-patient Department. Salary £200 per annum, with board and laundry. Post recognised for D.O.M.S.

Applicants should state age, qualifications, experience, and send copies of three recent testimonials to the Secretary, The Ropewalk, Nottingham.

## Manchester Royal Infirmary.

SECOND RESIDENT CLINICAL PATHOLOGIST
(Male or Female).

The Board of Management of the Manchester Royal Infirmary invite applications for the above post. Applicants must hold a medical and surgical qualification and be registered.

The duties are whole time, working under the Director of the Clinical Laboratory.

Salary £150 per annum, with board, residence, and allowance for laundry, plus a proportion of private fees.

Ten sets of applications, with two testimonials, stating age, to be sent to the General Superintendent not later than 22nd May, 1940.

By Order,
F. J. CARLE, General Superintendent and Secretary.
3rd May, 1940.

## North Staffordshire Royal Infirmary,

STOKE-ON-TRENT.
(412 Beds.)

The Committee invites applications from Medical Men newly qualified or from Women with previous hospital experience for the following resident posts:—

CASUALTY OFFICER.
HOUSE PHYSICIAN.

Salary in each case at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, nationality, and experience, and accompanied by three copy testimonials, to be forwarded to the undersigned as soon as possible.

THORNBURROW GIBSON, Secretary and House Governor.



## North Staffordshire Royal Infirmary,

STOKE-ON-TRENT.

Applications are invited for the post of ORTHOPÆDIC HOUSE SURGEON (Male or Female). Previous hospital experience is desirable but not essential. The department serves one of the largest fracture clinics in the country and offers exceptional experience.

Salary at the rate of £150–£200 per annum, according to experience, with board, residence, &c.

Applications, giving age, experience, and nationality, accompanied by three copy testimonials, should be forwarded to the undersigned as soon as possible.

THORNBURROW GIBSON, Secretary and House Governor.

## City of Manchester.

MONSALL HOSPITAL FOR INFECTIOUS DISEASES.
(600 Beds.)

The Public Health Committee invites applications from registered Medical Men for the post of JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER (Grade 2) at the above-named hospital.

Preference will be given to applicants who have held resident surgical and medical posts in a general hospital and have taken the Diploma in Public Health or had special experience in bacteriology.

Salary £250 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, after which special consideration will be given for a permenent appointment to a higher grade.

Full information and forms of application may be obtained from the Medical Officer of Health, Hospitals Administration Section, Box 399, Town Hall, Manchester, 2, and applications for the post must be received by him not later than 24th May, 1940.

R. H. ADCOCK, Town Clerk.

Town Hall, Manchester, 2, 2nd May, 1940.

## City of Leicester.

CITY GENERAL HOSPITAL.

RESIDENT MEDICAL OFFICER (Male or Female).

The Health Committee of the City of Leicester invite applications for the position of Resident Medical Officer at the City General Hospital for a period of six months, renewable if satisfactory for a further six months. The successful candidate will be required to commence as soon as possible. Preference will be given to those with, or reading for, higher qualifications.

The Hospital is a modern building with 550 Beds, four Resident Medical Officers, and one Deputy Medical Superintendent. The work that will be required of this Resident Medical Officer will be chiefly medical, but the Officer appointed will be required to carry out such obstetric and surgical duties as necessary. Salary £300 per annum, together with full residential emoluments.

Further particulars of the appointment may be obtained from the undersigned, and applications (on forms supplied), accompanied by copies of three recent testimonials, must be received not later than the 18th May, 1940, endorsed "R.M.O." addressed to the undersigned.

E. K. MACDONALD, Medical Officer of Health.

Health Department, Grey Friars, Leicester. 11th May, 1940.

## The Corbett Hospital, Stourbridge.

100 Beds and Special Departments.

Applications are invited for the following posts which will become vacant on the 1st July next. HOUSE PHYSICIAN at a salary at the rate of £125 per annum, with board, laundry, &c. HOUSE SURGEON at a salary at the rate of £100 per annum, with board, laundry, &c. The appointments will be for a period of six months terminable by six weeks' notice. The Hospital has a Specialist Visiting Staff and Resident Surgical Officer. Applications, giving full details of qualifications, age, and experience, accompanied by three copies of testimonials, should be addressed to the undersigned forthwith.

W. G. H. WESTON, Secretary.

## Royal East Sussex Hospital,

HASTINGS.

Applications are invited for the post of JUNIOR HOUSE SURGEON (Female) vacant July 1st, 1940. The appointment is for a period of six months. Salary at the rate of £135 per annum, with board residence. Candidates must be duly registered Medical Practitioners. Applications, with copies of recent testimonials, to be addressed to the Secretary by May 25th.

WILFRID G. KEMSLEY.

## West Suffolk General Hospital,

BURY ST. EDMUNDS.
(112 Beds.)

Applications are invited for the post of HOUSE SURGEON. Duties include charge of the Surgical Beds. Salary £150 per annum, with board, residence, and laundry. Applicants must be registered Practitioners.

Applications, stating age, experience, and nationality, with copies of three recent testimonials, to be sent to the Secretary. Six months' appointment.

May 6th, 1940.

## Chesterfield and North Derbyshire

ROYAL HOSPITAL.
(220 Medical and Surgical Beds—226 War Emergency Beds.)
Recognised under F.R.C.S.(England) Regulations.

RESIDENT SURGICAL OFFICER.

Applications are invited from fully qualified men for the above post. The possession of the F.R.C.S. degree is an advantage. Good operative experience is to be obtained.

Candidates must have had previous Senior Resident appointments with Surgical experience. The appointment is for twelve months from 1st July.

Salary at the rate of £300 per annum, with board, apartments, and laundry.

Applications, stating age and nationality, together with copies of three recent testimonials, should be sent to the undersigned as soon as possible.

M. H. BOONE, Superintendent and Secretary.

4th May, 1940.

## Chesterfield and North Derbyshire

ROYAL HOSPITAL.
(220 Medical and Surgical Beds—226 War Emergency Beds.)

HOUSE SURGEON AND ASSISTANT CASUALTY OFFICER.

Applications are invited from fully qualified men for the above post. The appointment is for six months.

Salary at the rate of £150 per annum, with board, apartments, and laundry.

Applications, stating age and nationality, together with copies of three recent testimonials, should be sent to the undersigned as soon as possible.

M. H. BOONE, Superintendent and Secretary.

4th May, 1940.

## Chesterfield and North Derbyshire

ROYAL HOSPITAL.
(220 Medical and Surgical Beds—226 War Emergency Beds.)

HOUSE PHYSICIAN.

Applications are invited from fully qualified Men for the above post, which includes the giving of a certain number of Anæsthetics. The appointment is for six months.

Salary at the rate of £150 per annum, with board, apartments, and laundry.

Applications, stating age and nationality, together with copies of three recent testimonials, should be sent to the undersigned as soon as possible.

M. H. BOONE, Superintendent and Secretary.

4th May, 1940.

## County Borough of Rotherham.

MEDICAL SERVICES COMMITTEE.

ASSISTANT RESIDENT MEDICAL OFFICER.

Applications are invited from fully qualified Medical Practitioners, with the necessary knowledge and experience of Hospital work, for the appointment of a Full-time Resident Assistant Medical Officer at the MUNICIPAL GENERAL HOSPITAL, Rotherham, at a salary of £350 per annum, together with the usual emoluments. A temporary cost of living bonus has been granted by the Borough Council, but is subject to alteration or cancellation by the Council. The appointment will be made for a period of twelve months. Candidates must be Medical Practitioners of at least one year's standing, and have held a resident appointment in a General Hospital or a Municipal Hospital for at least six months.

The appointment is subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

The person appointed will be required to act under the general direction of the Medical Superintendent.

Forms of application may be obtained from the Medical Officer of Health, Town Hall, Rotherham, and must be returned to the undersigned, endorsed "Assistant Resident Medical Officer, Municipal General Hospital," not later than NOON on 23rd May, 1940.

CHAS. L. DES FORGES, Town Clerk.

Municipal Offices, Rotherham.

## Chorley and District Hospital,

CHORLEY, LANCASHIRE.
(Voluntary General Hospital with 75 Beds.)

HOUSE SURGEON.

Applications are invited for the post of House Surgeon to commence in June, 1940.

The appointment will be for six months, but the appointed candidate will be eligible for reappointment.

The salary is £150 per annum, with board, residence, and laundry.

Applications, with copies of three recent testimonials, to be sent to the undersigned not later than Saturday, 25th May, 1940.

C. H. SPENCE, Secretary-Superintendent.

## Duchess of York Hospital for

BABIES, MANCHESTER 19.

JUNIOR RESIDENT MEDICAL OFFICER urgently required. Salary £100 per annum. Newly qualified candidates eligible.

Apply immediately to—

LOUISE GILLESPIE, Secretary.

## Cambridgeshire County Council.

COUNTY INFIRMARY, CAMBRIDGE.

Immediate applications are invited for the appointment of (*a*) HOUSE SURGEON, and (*b*) HOUSE PHYSICIAN, at the County Infirmary, Cambridge, a Public Assistance Institution upgraded as a Class I Emergency Hospital.

The total number of Beds available in an emergency is 294; about 150 Beds are occupied at the present time.

Salary at the rate of £200 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, with copies of recent testimonials, should be sent at once to the Clerk of the Cambridgeshire County Council, Shire Hall, Castle Hill, Cambridge.

1st May, 1940.

## Derbyshire Education Committee.

SCHOOL MEDICAL SERVICE.

TEMPORARY ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited for the post of Temporary Assistant School Medical Officer at a salary of £500 per annum, together with a travelling allowance in accordance with the County Scale.

Candidates must be registered Medical Practitioners of at least three years' standing. The duties will include work under the Maternity and Child Welfare Service, and experience in this work and in Mental Deficiency is desirable.

Applicants may be of either sex, but in the case of males they should be over thirty-five years of age.

The successful candidate will be required to pass a medical examination.

The Officer appointed will not be allowed to engage in private or consulting practice, but will be required to devote the whole time to the duties of the office and will act under the direction of the School Medical Officer.

Forms of application may be obtained from the undersigned to whom they should be returned completed, together with copies of not more than three recent testimonials, on or before 24th May, 1940, endorsed "Temporary Assistant School Medical Officer."

The appointment will be terminable by three months' notice on either side.

W. M. ASH, School Medical Officer.

County Offices, St. Mary's Gate, Derby, 6th May, 1940.

## Devonshire Royal Hospital, Buxton,

DERBYSHIRE. (300 Beds.)
(A National Hospital for Rheumatism and Allied Diseases.)

HOUSE PHYSICIAN (Male). Salary £150, rising to £175 after three months' service (and prospects of promotion to Resident Medical Officer), with board, residence, and laundry.

Candidates must be fully qualified and registered.

The appointment is for a minimum period of six months, and may be extended for a further period of six months.

Applications, endorsed "Medical Appointment," stating age, experience, and qualifications, together with copies of three recent testimonials, must be forwarded without delay to the undersigned, from whom any further particulars may be obtained.

A. PRESTON TURNER, General Superintendent and Secretary.

## Dykebar Mental Hospital.

JOINT MANAGEMENT COMMITTEE.

LOCUM TENENS ASSISTANT MEDICAL OFFICER required for the months of June and July. Salary £7 7s. per week, with board, lodging, and laundry.

Applications, stating age and experience, to be sent to the Medical Superintendent at Dykebar Mental Hospital by Paisley.

J. C. FRASER, Clerk to the Joint Committee.

## Upton Emergency Hospital, Chester.

(360 Beds.)

Applications are invited for the appointment of a JUNIOR RESIDENT HOUSE PHYSICIAN (Male) for the above hospital.

The salary is that laid down by the Ministry of Health, viz., £200 per annum with the usual emoluments.

Applications to be made, accompanied by recent testimonials, to "The Medical Superintendent, Upton Emergency Hospital, Chester."

Early application is advisable.

## Royal Hospital, Sheffield.

(422 Beds.)
TEACHING HOSPITAL.

Applications are invited for Full-time NON-RESIDENT ASSISTANT PATHOLOGIST at £300 per annum.

W. H. BOOTH, Superintendent.

## Boston General Hospital, Lincs.

(70 Beds.)

RESIDENT MEDICAL OFFICER required to commence duty 1st June. Salary £150 per annum, with board, residence, and laundry. The appointment is for six months.

Applications, stating age and qualifications together with copies of three recent testimonials, should be addressed to the Secretary.

## County Borough of Rochdale.

PUBLIC HEALTH DEPARTMENT.

APPOINTMENT OF TEMPORARY RESIDENT MEDICAL OFFICER.

The Health Committee invite applications from fully qualified registered Medical Practitioners (unmarried) for the temporary appointment of Senior (Male) Assistant Resident Medical Officer at the BIRCH HILL HOSPITAL (475 Beds, Medical, Surgical, and Children and Maternity).

Previous hospital experience, including Maternity and Surgical work, is essential.

The appointment will include certain services in connexion with the adjoining Public Assistance Institution.

The salary will be at the rate of £350 per annum, rising by annual increments of £25 to £450 per annum, together with board, residence, and laundry (emoluments valued at £100 per annum).

Applications must be made on the prescribed forms, which may be obtained on application to the Medical Officer of Health, and returned addressed to him at the Public Health Offices, Baillie-street, Rochdale, not later than Thursday, the 16th May, 1940.

HARRY BANN, Town Clerk.

Town Hall, Rochdale, 29th April, 1940.

## St. Anne's Hospital, Altrincham,

CHESHIRE.

Applications are invited from registered Medical Practitioners for the post of RESIDENT SURGICAL OFFICER at the above EAR, NOSE, AND THROAT HOSPITAL (50 Beds). Salary £200 per annum, with board, apartments, &c. The appointment is for six months and is renewable. The post offers ample facilities for post-graduate studies.

Applications, with copies of testimonials, to be sent not later than 18th May to W. HUNT, Secretary, Manchester Hospital for Consumption and Diseases of the Throat and Chest, Hardman-street, Manchester, 3.

## County Borough of Preston.

SHAROE GREEN HOSPITAL.
(250 Beds.)

JUNIOR ASSISTANT RESIDENT MEDICAL OFFICER (Female).

Applications are invited from fully qualified and registered Practitioners for the above appointment. Salary at the rate of £100 or £150 per annum, according to experience, with full board and residence. The appointment will be for a period of six months and can be renewed for a period not exceeding six months.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be forwarded to the Medical Superintendent, Sharoe Green Hospital, Fulwood, Preston.

## Hospital Convalescent Home,

PARKWOOD, SWANLEY, KENT.

**(For the reception of patients—women and children—in an early stage of convalescence from the London Hospitals. 120 Beds.)**

**The Trustees of the Home invite applications for the post of RESIDENT MEDICAL OFFICER (Male or Female) which is now vacant. The appointment is for a period of six months. Salary £200 per annum, with quarters and full board. Candidates should have had recent Hospital experience and preferably experience as House Physician to a Children's Department.**

**Applications, stating age, qualifications, and full details of experience, should be accompanied by copies of three recent testimonials, and addressed to C. M. POWER, Esq., Secretary, Hospital Convalescent Home, c/o Westminster Hospital, London, S.W.1, as soon as possible.**

## Royal West Sussex Hospital,

CHICHESTER.
(114 Beds, including 12 in Private Patients' Block—2 Residents.)

JUNIOR HOUSE SURGEON required.

Salary at the rate of £125 per annum, with board, residence, and laundry.

Applications should be sent to the undersigned by 15th May, 1940, together with copies of not less than three recent testimonials, stating age, nationality, experience, and qualifications.

By Order of the Board of Management.
K. H. WILLIAMS, House Governor and Secretary.

1st May, 1940.

## Aberdeen Royal Infirmary.

The Board of Directors invite applications for the post of GYNÆCOLOGICAL REGISTRAR. The appointment is open to graduates of either sex. The successful candidate will also be a part-time Assistant in the Department of Midwifery of the University of Aberdeen.

The salary will be at the rate of £300 per annum, and the appointment will be for a period of twelve months with eligibility for reappointment.

Applications, with recent testimonials (six copies of each), must be lodged not later than 10 A.M. on 18th May, 1940, with the undersigned, from whom further particulars may be obtained.

JOHN A. MCCONACHIE, Clerk and Treasurer.

1, Albyn-place, Aberdeen, 3rd May, 1940.

## The Guest Hospital, Dudley.

(General Hospital—139 Beds.)

(The Resident Staff consists of a Resident Surgical Officer and Three House Surgeons.)

CASUALTY HOUSE SURGEON (Male) required. Duties to commence at once. Salary at the rate of £150 per annum, with furnished apartments, board, and laundry. Candidates must be fully qualified and registered.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned.

H. RAYMOND HURST, House Governor and Secretary.

25th April, 1940.

## Rochdale Infirmary and Dispensary.

(110 Beds. Three Residents.)

The Board of Management invites applications for the appointment of SECOND HOUSE SURGEON.

The salary attached to the appointment is at the rate of £150 per annum, including board, residence, and laundry.

Applications, stating age, nationality, &c., together with copies of three recent testimonials, to be sent to the Secretary, endorsed "House Surgeon."

Conditions of the appointment may be had on application to the Secretary.

W. WYNNE, Secretary.

Infirmary Office, Rochdale, Lancs.

## North Riding Infirmary, Middlesbrough

(General Hospital, 143 Beds. Three Residents.)

Applications are invited for the posts of CASUALTY OFFICER and HOUSE PHYSICIAN (Male or Female) for a period of six months, renewable. Duties of the house physician also include the administration of a number of anæsthetics.

Salaries are at the rate of £150 and £140 per annum respectively with board residence and laundry. Candidates must be unmarried and of British nationality. Duties to commence immediately. Applications, stating age, qualifications and experience, together with copies of three recent testimonials, should be sent to the undersigned forthwith.

GERALD A. KENYON, Secretary-Superintendent.

(AMENDED ADVERTISEMENT.)

## Staffordshire County Council.

STANDON HALL ORTHOPÆDIC HOSPITAL.
(120 Beds.)

HOUSE SURGEON (Female).

Applications are invited for the post of House Surgeon (Female) at the above Hospital at a salary of £250 per annum, with full board and lodging. The appointment is for one year and is not renewable. A month's holiday is allowed during the term of service.

Applications, stating age and qualifications, accompanied by three recent testimonials, must be delivered to the undersigned not later than the 16th May, 1940.

Candidates receiving no reply by the 31st May, 1940, may assume the vacancy filled.

H. L. UNDERWOOD, Clerk of the County Council.

County Buildings, Stafford, 29th April, 1940.

## County Mental Hospital,

WHITTINGHAM, near PRESTON.

Wanted, ASSISTANT MEDICAL OFFICER LOCUM TENENS required about the middle of May for approximately six months. Eight guineas per week, with board, lodging, and laundry.

Apply immediately, giving full particulars of experience, &c., to the Medical Superintendent, County Mental Hospital, Whittingham, near Preston.

## Royal Hampshire County Hospital,

WINCHESTER.
**(239 Beds. 5 Resident Officers.)**
**Hospital recognised by the Royal College of Surgeons, England.**

HOUSE SURGEON.

**Applications are invited from fully qualified Men for the above post. Six months' appointment. Salary £175 per annum, with board, residence, and laundry.**

**Candidates should make application to the undersigned, enclosing copies of three testimonials.**

**H. EWART MITCHELL, Superintendent and Secretary.**

## The Lawn, Lincoln.

ASSISTANT MEDICAL OFFICER required. Medical Woman, with Mental Hospital experience or working for D.P.M. preferred. Salary £300 per annum, with emoluments.

Apply, Medical Superintendent, The Lawn, Lincoln.

## Hertford County Hospital.

(171 Beds—3 Residents.)

Applications are invited for the post of HOUSE PHYSICIAN (Male).

Salary £150 per annum, with board, residence, and laundry. Duties to include Casualty. The appointment is for six months in the first instance.

Applications, together with copies of three recent testimonials, should be forwarded to the undersigned.

PERCY G. BROOKS, Secretary.

## County Borough of Halifax.

ASSISTANT MEDICAL OFFICER OF HEALTH—MATERNITY AND CHILD WELFARE (Female).

Applications are invited from duly qualified and registered Medical Practitioners for the post of Whole-time Assistant Medical Officer of Health—Maternity and Child Welfare (Female).

Applicants must be experienced in Antenatal work, Midwifery, and Children's Diseases, and will be required to hold consultations at the Antenatal and Maternity and Child Welfare Centres in the County Borough of Halifax, and to perform such other duties as appertain to the office.

The person appointed will be a member of the Staff of the Medical Officer of Health and will work under his control and direction. She will be required to devote her whole time to the duties of her office and not to engage in private practice of any description.

The salary offered is £500 per annum, rising by annual increments of £25 to £700, and the post will be subject to the provisions of the Local Government Superannuation Act, 1937.

Applications must be made on the prescribed form, to be obtained from the undersigned, and delivered, accompanied by copies of three recent testimonials, not later than first post on Tuesday, 21st May, 1940, endorsed "Assistant M.O.H.—Maternity and Child Welfare," and addressed to the Town Clerk, Town Hall, Halifax.

Canvassing, either directly or indirectly, will be a disqualification.

PERCY SAUNDERS, Town Clerk.

Town Hall, Halifax, 29th April, 1940.

## City of Birmingham.

PUBLIC ASSISTANCE COMMITTEE.

ERDINGTON HOUSE.

ASSISTANT RESIDENT MEDICAL OFFICER.

Applications are invited from fully qualified Medical Practitioners for appointment as Assistant Resident Medical Officer at Erdington House, Birmingham.

The Institution, which is approved for the purposes of the D.P.M., has accommodation for approximately 1570 inmates and is set apart for the reception of all classes of mental and nervous disorder. The admission-rate is 1300 per annum. Parts of the Institution are certified under the provisions of the Mental Deficiency Acts, 1913–27. There are facilities for research on the pathological and biological side, and the appointment gives opportunities for post-graduate study.

The officer appointed will be required to assist in the general medical work of the Institution under the supervision of the Senior Medical Officers.

The appointment will be for a period of twelve months. The salary attached to the appointment will be at the rate of £300 per annum, together with full residential emoluments (rations, apartments, laundry, and attendance).

Four weeks' leave of absence will be granted to the successful candidate during the term of office.

The appointment will be subject to one month's notice on either side.

Any further particulars as to the Institution and/or duties may be obtained upon application to the Medical Officer of the Institution, Dr. H. T. KIRKLAND, to whom applications, stating age, experience, and qualifications, accompanied by copies of recent testimonials, should be forwarded so as to reach him no later than 10 A.M. on Saturday, 18th May, 1940.

Canvassing in any form, oral or written, direct or indirect, will be regarded as a disqualification.

F. H. C. WILTSHIRE, Town Clerk.

Council House, Birmingham, 1, 1st May, 1940.

## Altrincham General Hospital.

(100 Beds—2 Residents.)

Applications are invited for the post of HOUSE SURGEON. Salary at the rate of £120 per annum, with board, &c., to commence duty as soon as possible (six months' appointment).

Applications, stating age, nationality, qualifications, &c., to be addressed to the undersigned as soon as possible.

E. A. BIDEN, Secretary.

## City and County of Newcastle upon Tyne.

Applications are invited for the following posts from duly qualified and registered Medical Practitioners:—

(1) NEWCASTLE GENERAL HOSPITAL, Newcastle upon Tyne.—HOUSE PHYSICIANS and HOUSE SURGEONS. The posts are tenable for a period of six months; salary £150 per annum, together with the usual residential emoluments.

(2) SHOTLEY BRIDGE EMERGENCY HOSPITAL, Shotley Bridge, County Durham.—HOUSE PHYSICIANS and HOUSE SURGEONS. The posts are tenable for a period of six months; salary £200 per annum, together with the usual residential emoluments.

(3) BARRASFORD SANATORIUM, Barrasford, County Northumberland.—RESIDENT MEDICAL ASSISTANT. The post is tenable for a period of six months; salary £250 per annum, together with the usual residential emoluments.

Applications for any of the above appointments, together with copies of two recent testimonials, should be sent immediately to the Medical Officer of Health, Health Department, Town Hall, Newcastle upon Tyne, 1.

27th April, 1940.

## Borough of Swindon.

APPOINTMENT OF MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

Applications are invited from duly qualified persons for the appointment of Medical Officer of Health and School Medical Officer to the Borough of Swindon at an inclusive salary of £900 per annum rising by three annual increments of £50 to £1050, together with a car allowance of £75 per annum.

The person appointed will be required to devote his whole time to the service of the Corporation. The duties of the Medical Officer of Health include those of Medical Officer to the Isolation Hospital and Superintendent of the Maternity Home. A full-time Deputy Medical Officer of Health and a full-time Assistant Medical Officer are engaged by the Council to assist in the duties of the office.

Form of application and conditions of appointment may be obtained on application to the undersigned.

Applications, accompanied by copies of not more than three recent testimonials, must be forwarded in an envelope endorsed "Medical Officer of Health" to reach me not later than the first post on Monday, 20th May, 1940.

D. MURRAY JOHN, Town Clerk.

Civic Offices, Swindon, 30th April, 1940.

## Devon County Council.

MEDICAL DEPARTMENT.

DEPUTY COUNTY MEDICAL OFFICER.

Applications are invited from duly qualified Medical Practitioners (Male), under forty years of age, for the appointment of Deputy County Medical Officer under the Devon County Council.

Applicants must possess a Diploma in Public Health and have had experience in County Public Health Work.

The appointment will be subject to the Local Government Superannuation Act, 1937.

The salary will be £750 per annum, rising by annual increments of £25 to £900.

Travelling and out-of-pocket expenses in accordance with the Council's Scale will be paid.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, shall be made on the prescribed form, and forwarded so as to reach the County Medical Officer, 4, Barnfield-crescent, Exeter, Devon (from whom copies of application forms and full particulars of the appointment may be obtained), not later than the first post on Friday, 17th May, 1940.

## County Borough of Oldham.

THE MUNICIPAL HOSPITAL.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the post of Resident Assistant Medical Officer. Applicants must not be over forty-five years of age. Experience of Anæsthetics is desirable.

Salary £200 per annum, with board, residence, and laundry. Candidates should be unmarried.

The appointment will, in the first instance, be for a period of six months. The successful applicant, however, will be eligible for reappointment for a further period of six months.

The person appointed will be required to pass a medical examination, and may be required to contribute to the Superannuation Fund of the Corporation.

The Hospital comprises 375 Beds, with facilities for gaining experience in Medicine, Surgery, Midwifery, and the Diseases of Children.

Canvassing or submitting testimonials from members of the Council or of any Committee appointed by the Council will be a disqualification.

Application forms and conditions of appointment may be obtained from the Medical Officer of Health, Town Hall, Oldham, and should be returned, endorsed "Resident Assistant Medical Officer," not later than 9 A.M., 21st May, 1940.

T. ALKER, Town Clerk.

Town Hall, Oldham, 30th April, 1940.

## Hull Royal Infirmary.

Applications are invited for the post of CASUALTY OFFICER (Male). Salary £150 per annum, with board, residence, and laundry.

The appointment will be for a period of six months, but will be determinable at any time by one month's notice on either side.

The successful candidate will be eligible for promotion to a more senior post when a vacancy occurs.

Applications, stating age, experience, and nationality, together with copies of testimonials, should be addressed to the undersigned.

R. J. CARLESS, House Governor.

## Ancoats Hospital, Manchester, 4.

ASSISTANT PATHOLOGIST, Lady or Gentleman, whole-time appointment—no private work allowed. Salary £350 to £400 per annum, according to experience, with luncheon and tea. The appointment is for twelve months and is renewable.

Applications, stating age, qualifications, and experience, to be forwarded to the undersigned on or before 17th May, together with copies of three testimonials.

By order of the Board.

HERBERT J. DAFFORNE,
General Superintendent and Secretary.

## University of Durham.

KING'S COLLEGE, NEWCASTLE UPON TYNE.

Applications are invited from registered Medical Practitioners for the joint post of DEMONSTRATOR IN PATHOLOGY in the Medical School and ASSISTANT PATHOLOGIST to the Royal Victoria Infirmary, Newcastle upon Tyne. The appointment will be a whole-time one, renewable annually for a period not exceeding three years. Salary £300 per annum.

Applications (six copies), stating previous experience, accompanied by the names of not more than three referees, should be forwarded on or before 24th May, 1940, to the undersigned, from whom further particulars may be obtained.

W. G. B. OLIVER, Registrar of King's College.

## City of Plymouth.

TEMPORARY ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified Medical Practitioners (Male or Female) for the temporary appointment of Assistant Medical Officer of Health, at a salary of £500, rising by £25 annually to £700 per annum, for maternity and child welfare and school medical duties. The appointment will be whole-time and the person appointed will be required to refund to the Council any fees received. The successful applicant will be required to act under the general supervision of the Medical Officer of Health and to carry out any duties delegated by him from time to time. Forms of application may be obtained from the undersigned, and should be returned, together with copies of not more than three recent testimonials, on or before Monday, 27th May, 1940.

T. PEIRSON,
Medical Officer of Health, City and Port of Plymouth.
Town Hall, Stonehouse, Plymouth.

## Coventry and Warwickshire Hospital.

Applications are invited for the following appointments:—

HOUSE SURGEON to the FRACTURE AND ORTHOPÆDIC DEPARTMENT.

HOUSE SURGEON to the EAR, NOSE, AND THROAT DEPARTMENT.

Each post, which is for six months terminating on October 31st next, carries with it a salary at the rate of £150 per annum, together with board, quarters, and laundry.

Applications, with full particulars, to be addressed to the undersigned immediately.

S. CECIL HILL, House Governor and Secretary.

## New Sussex Hospital for Women,

Windlesham-road, BRIGHTON.
(60 Beds.)

Applications are invited from qualified Medical Women for the post of HOUSE PHYSICIAN for a period of six months. Salary at the rate of £100 per annum. Duties to commence on the 1st June.

Applications, together with copies of recent testimonials, to be sent to the Secretary, New Sussex Hospital, Windlesham-road, Brighton, on or before the 25th May.

4th May, 1940.

## Sussex Maternity and Women's HOSPITAL, BRIGHTON.

RESIDENT HOUSE SURGEON (Male) required. Salary at the rate of £130 per annum, board and washing found, and £40 per annum allowed for travelling expenses. Good experience in midwifery afforded. No canvassing allowed. The successful candidate will be required to enter on his duties towards the end of June.

Applications in writing, accompanied by testimonials, should be sent to PERCY F. SPOONER, Secretary, at the Hospital, Buckingham-road, Brighton.

3rd May, 1940.

## Saint Mary's Hospitals, Manchester.

Two OBSTETRICAL HOUSE SURGEONS required for a period of six months, to commence immediately. Salary at the rate of £50 per annum, with board and residence.

Applications, together with copies of three recent testimonials, to be sent to the Superintendent and Secretary on or before May 18th.

**Medical Officer required for service** with large Company operating in the Near East possessing well-organised Medical Service with Staff of British Doctors, including Specialists, Nursing Staff, Hospitals, &c. Applicants must be of British parentage and have British qualifications and must have had five years' actual practice. Administrative experience an advantage. Age 30–35. Commencing salary £800 per annum progressive, with Provident Fund benefits. Three years' Agreements, free furnished quarters, free passage out and home.

Apply, with copies of testimonials (not returnable), to Address No. 716, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

**RADIUM: You can hire up to** 100 mgms. of radium element made up to any required specification, for the moderate fee of £5 5s., from—
J. C. GILBERT LTD., 54, Finsbury Pavement, E.C.2.
Tel.: NAT 2322.

**Glorious Galloway Hills.—For a** restful holiday. Board residence.—Mrs. CORRIE, Auchengool Farm, Dundrennan, Kirkcudbrightshire, N.B.

**For Sale in East Coast Port Town,** Housing Estate PRACTICE. Panel about 500, and Private Fees approximating in war-time £250 a year. Obviously great scope after termination of hostilities.—Address, No. 711, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

**Monomark.—For confidential corre-** spondence and enquiries use a Monomark address. 5s. per annum. Letters forwarded immediately.—Particulars from MONOMARK BM/MONO28, W.C.1.

**Consulting Room with living accom-** modation available (if required) in Large Double-fronted Residence in N.E. London—suitable for doctor's practice. Beautifully situated in a commanding position adjacent to public park. Large garden front and rear. Room for car. Few months' trial at low rent. No premium.—Address No. 709, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2, for appointment.

**Harley Street and District.—A number** of excellent CONSULTING ROOMS are available for full and part-time use at moderate rents. Particulars on application.—ELGOOD & Co., 1, Bentinck Street, Welbeck Street, W.1. Welbeck 8974.

**Typewriting.—Specialists in Typing** Medical and Scientific Papers, Theses, Books. Proof-reading, Indexing.—MARGARET WATSON, LTD., 25, Palace-chambers, Bridge-street, S.W.1. WHItehall 3838.

**HIS pipe burns well, he's hale and bluff,**

A TOM LONG smoker, sure enough.

**For Sale. Death Vacancy. Well-** established PRACTICE good working-class district, East London. Receipts £1150. Panel 1000. House to rent or lease. Scope. Premium 1½ years' purchase.—Write, Address No. 714, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

# BOVRIL MEDICAL AGENCY, Ltd.

ALDINE HOUSE,

## 10-13, BEDFORD STREET, STRAND, LONDON, W.C.2

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Chairman and Managing Director, F. M. THEW.

SCOTTISH BRANCH: 13, MELVILLE STREET, EDINBURGH, 3.

**The Maximum Commission payable on the sale of any Practice or Partnership in Great Britain, placed exclusively in the hands of this Agency for disposal, is £50 (Fifty pounds), which sum covers goodwill, drugs, surgery fittings, fixtures and furniture, instruments and book debts, but not house property. Schedule of Terms and Vendor's Form will be forwarded on application.**

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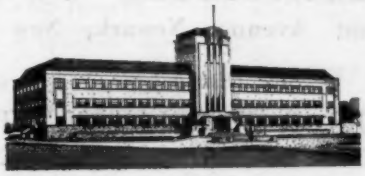

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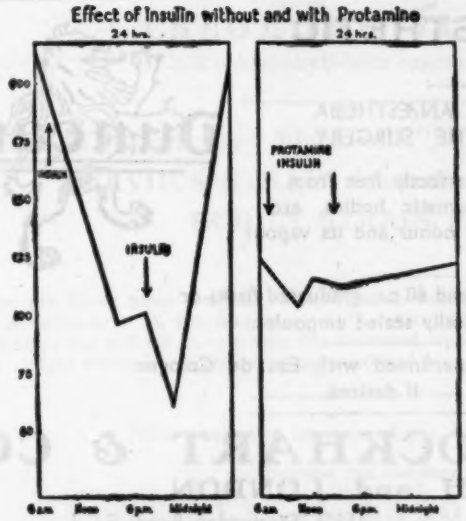


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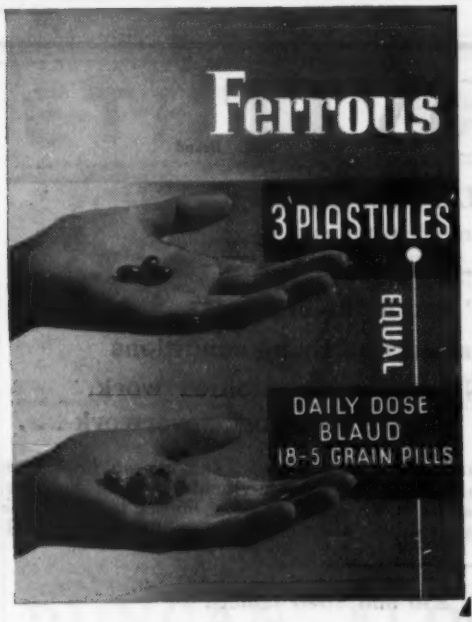


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## *a complete, perfected system*

THE "Veguva" System of Infant Feeding represents a noteworthy advance in pediatrics. Its introduction has been received with the keenest interest by specialists in infant nutrition throughout the country.

An examination of the "Veguva" System immediately demonstrates its advantages over the usual methods of feeding with modified milk foods. It comprises two foods which, together, constitute a complete system of feeding from birth.

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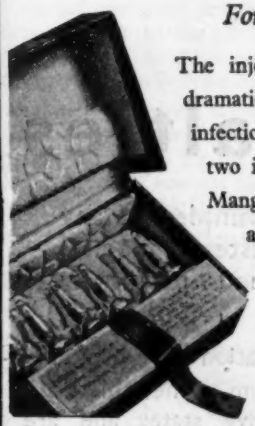
H295

# MANGANESE BUTYRATE B.D.H.

*For the Treatment of Recurrent Boils*



The injection of Manganese Butyrate B.D.H. has produced dramatic results in cases of recurrent boils; in many such cases the infection is rapidly and completely cleared up after only two injections, further multiplicity being prevented.

Manganese Butyrate B.D.H. is injected intramuscularly; in the average case it is usual to make two injections—one injection of 1.0 c.c. followed by a second injection three to six days later of 1.5 c.c. If necessary a further course of two injections may be given six weeks to two months later.

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It mixes uniformly with the lachrymal secretions.

¼, ½, 1, 2, 2½, 3, 4, and 5 per cent.
Price 2/- per tube or pot.

"Hydrentum" 1% c. Atropin. 1%
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Price 2/- per tube

*Descriptive literature will be sent on request.*

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# *The fundamental nature of vitamin B*

Since aneurin (vitamin $B_1$) is now known to be essential for normal carbohydrate oxidation in the tissues it is no longer surprising that such large numbers of apparently unrelated clinical conditions are found to improve when an addition is made to the often insufficient amount supplied in the diet. Similar considerations may also apply to the constituents of the $B_2$ complex.

The wide variety of possible B complex deficiencies, and of conditions to which these deficiencies may give rise, offers striking justification for the suggestion that therapeutic administration of any one factor may still overlook the precise factor responsible in any given case.

The difficulty is usually overcome by prescribing Bemax in which all the factors at present known are associated—as well as factors whose importance has not yet been ascertained.

**Bemax** *the richest natural source of vitamin B*

Vitamin $B_1$ .. 10-15 I.U. per gm. (400 I.U. per oz.)
Vitamin E (*a*-tocopherol) richest natural source (Approx. 8-10 mg. per oz.)
Vitamin A (carotene) 280 I.U. per oz.
Vitamin $B_2$ complex—
$B_2$ (riboflavin) .. 0.9 mg. per oz.
P.P. (nicotinic acid) 1.1 mg. per oz.
$B_6$ (adermin) .. rich source

Clinical grounds for considering the administration of increased vitamin B may be classified as follows:

**Established or conditioned deficiency of vitamin $B_1$ (aneurin)**

Beri beri.
Alcoholic neuritis.
Pregnancy, especially with polyneuritic symptoms.
All conditions with a raised metabolic rate, e.g. pyrexias, hyperthyroidism, cardiac decompensation.
Lactation.
All restricted diets, especially those for gastric and duodenal ulcers, colitis and diabetes.
Rheumatoid arthritis (B.M.A. Committee's Rep. Section IX e).
Poor appetite especially in children.

**Established or probable deficiency of other factors of the B complex (riboflavin, nicotinic acid, adermin)**

Roughening of the skin bordering nose and mouth (riboflavin).
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Low grade skin infections (adermin—vitamin $B_6$)

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*20 cc. ampoules, 15/- singly; boxes of 5, 65/-. 3 cc. ampoules, 2/6 singly. Prices (not applicable in Eire) are subject to usual professional discount.*

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brand of IODOXYL injection

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These good effects are obtained without the use of narcotic, anæsthetic or analgesic drugs, for Anusol Suppositories contain no ingredient which masks the symptoms; the improvement that takes place is genuine.

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*Anusol is also available in ointment form*

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(Sulphanilamide Evans)

## For the Chemotherapy of Bacterial Infections

**Streptocide is available in the following five forms :—**

1. Streptocide Powder
2. Streptocide Tablets
3. Streptocide Solution
   Containing 2½% Streptocide in a non-toxic solvent
4. Streptocide Ointment
5. Streptocide Cream
   The Ointment and Cream contain in solution 5% Streptocide. The base used is non-toxic and neutral

## INDICATIONS

### 1. Tablets, Powder and Solution

Endocarditis (Acute) when due to Hæmolytic Streptococci
Erysipelas
Fractures
Gas-Gangrene Infections
Gonococcal Infections
Mastoiditis
Meningococcal Meningitis
Otitis Media
Peritonsillitis. (Quinsy)
Phlegmonous Tonsillitis
Post-Operative and Traumatic Streptococcal Septic Wounds
Puerperal Septicæmia
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Septicæmia following Abortion
Streptococcal Empyema
Streptococcal Meningitis
Streptococcal Peritonitis
Streptococcal Pharyngitis
Streptococcal Purulent Arthritis
Tonsillitis
Wound Infections

### 2. Ointment and Cream

Burns
Cellulitis
Cytolysis
Eczema
Erysipeloid and Scarlatinal Rashes
Impetigo
Infected Wounds
Lupus Erythematosus
Post-Scarlatinal Rhinitis
Ulceration
Varicose Ulcers
Whitlow

**Packages**

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| Tablets 0.25 grm. and 0.5 grm. | Bottles of 25, 100, 250, 500, 1,000 and 5,000 |
| Powder | Boxes of 12 x 0.25 gramme powders |
| | ,, ,, 12 x 0.5 gramme powders |
| | Bottles of 1 oz., 4 oz. and 1 lb. |
| Solution | Boxes of 6 x 5 cc. Ampoules |
| | ,, ,, 25 x 5 cc. Ampoules |
| Ointment | In 2 oz. and 1 lb. containers |
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**Manufactured entirely from British material in the Laboratories of Boots Pure Drug Co. Ltd.**

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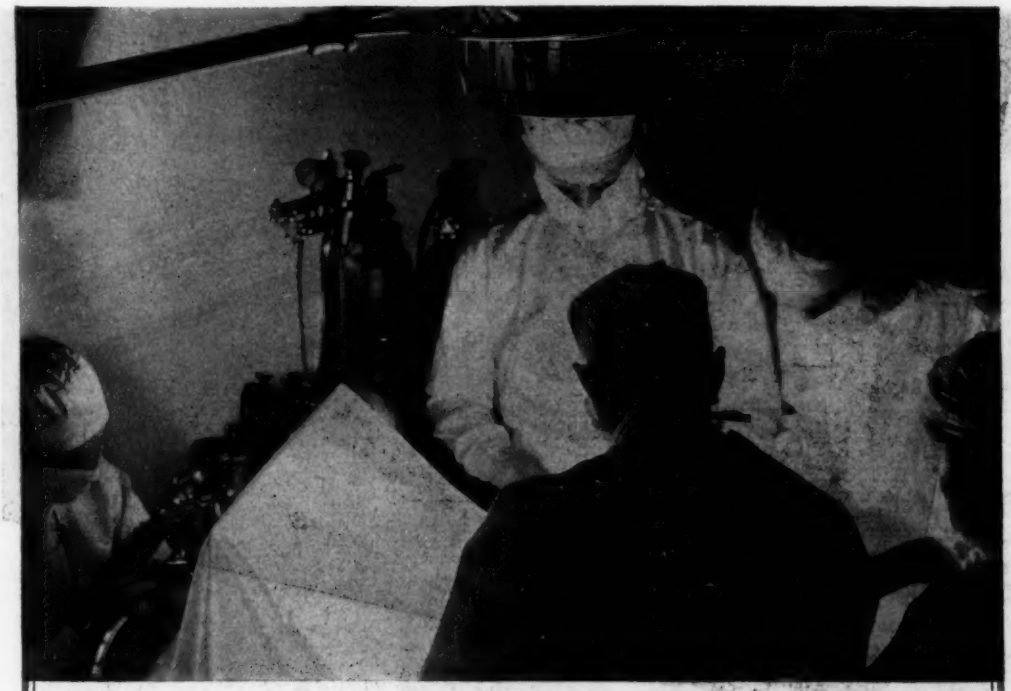

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*Lancet, 3rd December, 1938, p. 1284*

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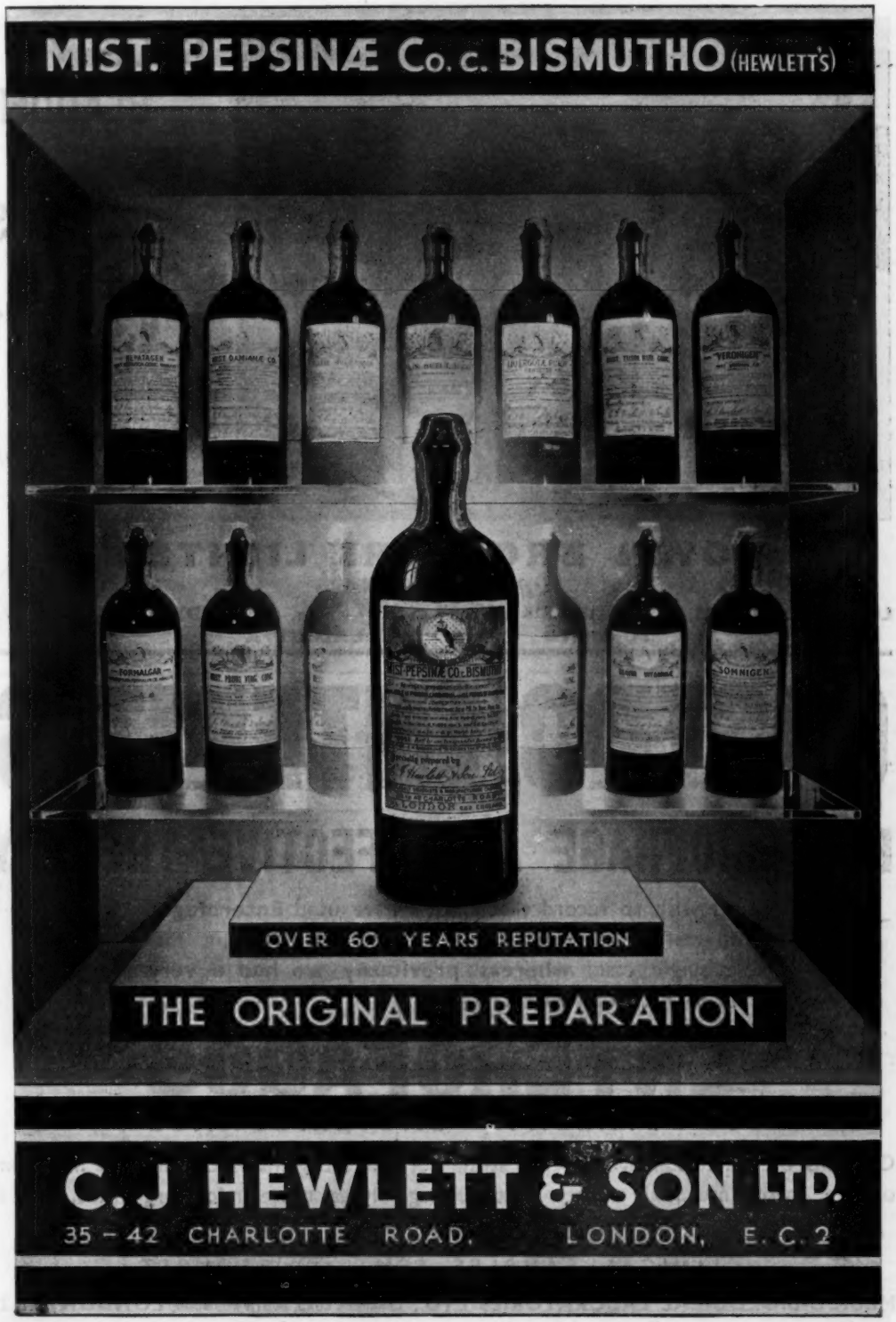
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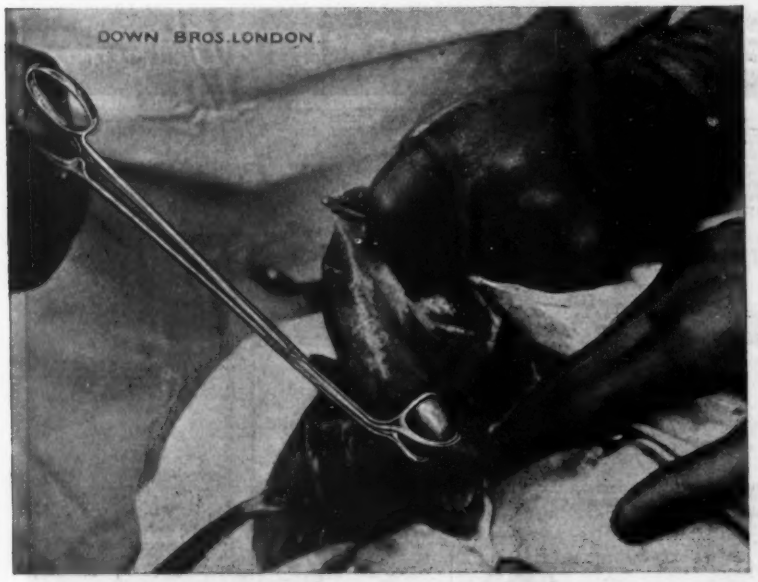


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*Vide* THE LANCET, *Nov. 12, 1938*

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*The Benger Laboratories are always at the disposal of the medical profession in any of their dietetic problems.*

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BY THE
ROYAL COLLEGE OF PHYSICIANS OF LONDON
AND THE
ROYAL COLLEGE OF SURGEONS OF ENGLAND.

Notice is hereby given that the following Examinations will commence on the dates stated below :—

PRE-MEDICAL EXAMINATION
(Chemistry, Physics, and Biology),
MONDAY, JUNE 24TH.
FIRST EXAMINATION
(Anatomy, Physiology, and Pharmacology),
MONDAY, JUNE 10TH.
FINAL EXAMINATION
(Pathology, Medicine, Surgery, and Midwifery),
WEDNESDAY, JUNE 26TH.

Candidates who have fulfilled the necessary conditions, and who desire to present themselves for Examination, must give notice in writing to the Secretary, Examination Hall, 8-11, Queen-square, London, W.C.1, at least twenty-one days before the date of the Examination, transmitting at the same time such certificates as may be required by the Regulations of the Board.

HORACE H. REW, Secretary.

# BRITISH POSTGRADUATE MEDICAL SCHOOL

(UNIVERSITY OF LONDON)

## INTENSIVE COURSE IN WAR MEDICINE

| 1940 | | | |
|---|---|---|---|
| Monday, 27th May. | 10–11.30 A.M. | Effort Syndrome. | Prof. F. R. Fraser, M.D., F.R.C.P. |
| | 11.30–1 P.M. | Prevention of War Epidemics, including Typhoid and Paratyphoid. | Prof. M. Greenwood, D.Sc., F.R.C.P., F.R.S. |
| | 1.30–3 P.M. | Trench Nephritis and Epidemic Jaundice. | Prof. J. W. McNee, D.S.O., M.D., F.R.C.P. |
| | 3–4 P.M. | Prescribing in Wartime. | Dr. P. Hamill, M.D., F.R.C.P. |
| Tuesday, 28th May. | 10–11.30 A.M. | Skin Diseases in Wartime. | Dr. H. MacCormac, C.B.E., M.D., F.R.C.P. |
| | 11.30–1 P.M. | Prevention of War Epidemics, including Typhoid and Paratyphoid. | Prof. M. Greenwood, D.Sc., F.R.C.P., F.R.S. |
| | 1.30–3 P.M. | Protective Inoculation with Special Reference to Tetanus. | Dr. P. Hartley, C.B.E., D.Sc., F.R.S. |
| | 3–4 P.M. | Sunstroke and Heatstroke. | Dr. F. Murgatroyd, M.D., M.R.C.P. |
| Wednesday, 29th May. | 10–11.30 A.M. | Dietetic Deficiencies in War. | Prof. S. J. Cowell, F.R.C.P. |
| | 11.30–1 P.M. | Malaria. | Dr. P. H. Manson-Bahr, C.M.G., D.S.O., M.D., F.R.C.P. |
| 1940 | | | |
| Wednesday (contd.) | 1.30–3 P.M. | Treatment of Gas Casualties. | Dr. J. A. Nixon, C.M.G., M.D., F.R.C.P. |
| Thursday, 30th May. | 10–11.30 A.M. | Food Poisoning. | Sir William Savage, M.D. |
| | 11.30–1 P.M. | Dysentery and Diarrhœa. | Dr. P. H. Manson-Bahr, C.M.G., D.S.O., M.D., F.R.C.P. |
| | 1.30–3 P.M. | Frostbite and Protection from Cold. | Dr. R. Greene, D.M. |
| | | Clothing and Equipment in Hot Climates. | Col. A. H. Proctor, D.S.O., M.D., M.S., F.R.C.S. |
| | 3–4 P.M. | War Neuroses. | Dr. Bernard Hart, M.D., F.R.C.P. |
| Friday, 31st May. | 10–11.30 A.M. | War Neuroses. | Dr. Bernard Hart, M.D., F.R.C.P. |
| | 11.30–1 P.M. | The Treatment of Cerebrospinal Fever. | Dr. H. S. Banks, M.D., D.P.H. |
| | 1.30–3 P.M. | Typhus Fever. | Sir John Megaw, K.C.I.E. |
| | 3–4 P.M. | Practical Management of Wound Shock. | Prof. G. E. Gask, C.M.G., D.S.O., F.R.C.S. |

The fee for the course will be £1 1s., but no fee will be charged in the case of Officers of the Armed Forces who submit a leave certificate and register their name before the commencement of the course. Applications for tickets should be addressed to the Dean, British Postgraduate Medical School, Ducane Road, W.12

# BRITISH POSTGRADUATE MEDICAL SCHOOL

(UNIVERSITY OF LONDON)

## Department of Surgery

A COURSE OF LECTURES AND PRACTICAL DEMONSTRATIONS ON THE

## TREATMENT OF FRACTURES WITH SPECIAL REFERENCE TO WAR CONDITIONS

will be given by Mr. R. WATSON JONES, M.Ch., F.R.C.S., of Liverpool

| 10 a.m. to 12 noon | 12 noon to 1 p.m. | 1 p.m. to 2 p.m. | 2 p.m. to 4 p.m. | 4 p.m. to 5 p.m. |
|---|---|---|---|---|
| Clinical Lectures and Demonstrations | Lunch | Clinical Lectures and Demonstrations | Practical Classes | Questions and Discussions |

| | |
|---|---|
| **Monday, 3rd June** | **General Principles of Fracture Treatment.** |
| **Tuesday, 4th June** | **Injuries of the Upper Limb.** |
| **Wednesday, 5th June** | **Injuries of the Lower Limb.** |
| **Thursday, 6th June** | **Injuries of Spine, Pelvis, and Hip-joint.** |
| **Friday, 7th June** | **Compound and Infected Fractures. Amputations.** |

The Course will be limited to a maximum of 40 students, and applications for admission to the Course should be submitted to the DEAN, BRITISH POSTGRADUATE MEDICAL SCHOOL, DUCANE ROAD, W.12, on or before Tuesday, 28th May. The Course will only be held if a minimum of 15 students apply.

The fee for the Course will be 5 guineas, but a limited number of officers of the Armed Forces will be admitted free, on the receipt of a leave certificate.

**Stations:** Wood Lane (Central London Railway), Ladbroke Grove (Metropolitan Railway) and No. 7 (Acton Vale) Bus.
**Buses:** No. 7 (Acton Vale), Nos. 72 and 105 to Bloemfontein Road, Westway. **Trolley-buses:** Nos. 628 and 630.

# BRITISH POSTGRADUATE MEDICAL SCHOOL

(UNIVERSITY OF LONDON)

## Department of Pathology

A Course of Four Lectures on

## "THE PATHOLOGY OF THE LIVER"

will be given by

Professor G. R. CAMERON, D.Sc.

on

22nd and 29th May, 5th and 12th June, 1940,

at 4.30 p.m.

These lectures are for regular students of the School, but a limited number of tickets are available, without fee, for medical practitioners.

Applications for tickets should be addressed to the Dean, British Postgraduate Medical School, Ducane Road, W.12.

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## MAWNAN SMITH, Nr. FALMOUTH.

A modern country house NURSING HOME in Cornwall for the PREVENTION and TREATMENT of NERVOUS ILLNESSES. Six patients only taken; active therapy available. Fine situation on quiet inlet of sea.

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Tenders are invited for the supply of SURGICAL EQUIPMENT in connexion with the above.

Schedules and forms of tender may be obtained from the undersigned and must be returned to His Worship the Mayor, Town Hall, East Ham, E.6, not later than first post on Monday, 27th May, 1940.

No tender will be received except in a plain sealed envelope, endorsed "Tender for Surgical Equipment, Harts Sanatorium."

The Council do not bind themselves to accept the lowest or any tender.

F. D. LITTLEWOOD, Acting Town Clerk.

Town Hall, East Ham, E.6, 14th May, 1940.

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*Fees 10 gns. to 18 gns. per week (average 14 gns.). Specially equipped Operating Theatres available. Only State-registered Nurses employed.*

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**FINSBURY PARK, N.4**

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Six acres of ground facing Finsbury Park. Voluntary and Temporary Patients received without certification. Occupational Therapy, Psychotherapy, and other modern forms of treatment. Air-raid Shelters have been provided.
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For further particulars apply to the MEDICAL SUPERINTENDENT.

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**FARMING and OPEN AIR OCCUPATION for PATIENTS**
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**FEES: 1st Class (men only) from £5 5s. per week upwards.**
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*FOR THE UPPER AND MIDDLE CLASSES ONLY.*

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, K.G., C.M.G., A.D.C.

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Telegrams: "Alleviated, London." Telephone: Rodney 2841 and 2842.

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All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

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This Hospital of 200 beds, administered by a Committee of the Society of Friends, combines what is best in the investigation and treatment of nervous illness with a sympathetic and friendly atmosphere. Last year 118 patients were admitted, of whom 84 were voluntary cases.

Much curative work is accomplished in our mental hospitals to-day and the recovery rate compares very favourably with that of our general hospitals.

For information and terms of admission apply to:—
The Physician Superintendent,
ARTHUR POOL, M.R.C.P.
(Telephone: York 3612)
who is available for consultation

## COURT HALL, KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS

## CLIFFDEN, TEIGNMOUTH

FOR EARLY AND CONVALESCENT CASES — Recreational Therapies are held daily by skilled Leaders

The house stands high with spacious balconies and extensive views of the South Devon Coast. Beautiful garden. Own Dairy in 25 acres. Private road to beach. There is also a charming house, EBWORTHY, MANATON, DARTMOOR, situated in 20 acres, 1100 ft. up for bracing moorland air.

*Resident Physicians*—BERTHA M. MULES, M.D., B.S. ANNE S. MULES, M.R.C.S., L.R.C.P.

*Telephones*—STARCROSS 59 and TEIGNMOUTH 289

## MUNDESLEY SANATORIUM

NORFOLK

*Resident Physicians:*

S. VERE PEARSON, M.D. (Cantab.), M.R.C.P. (Lond.).
E. C. WYNNE-EDWARDS, M.B. (Cantab.), F.R.C.S. (Edin.).
GEORGE H. DAY, M.D. (Cantab.).

TERMS FROM 7½ GUINEAS WEEKLY

*For all information apply:* THE SECRETARY.

Telephone: Mundesley 94 and 95 (2 lines)

## RUTHIN CASTLE, NORTH WALES

A Clinic for the diagnosis and treatment of Internal Diseases (except Mental or Infectious Diseases).

The Clinic is provided with a staff of doctors, technicians and nurses.

The surroundings are beautiful. The climate is mild. There is central heating throughout. The annual rainfall is 30·5 inches, that is, less than the average for England.

The inclusive weekly fees are from 15 guineas a week, according to the room occupied; rooms with bathroom are from 21 guineas. An examination and consultation fee of 15 guineas is charged on the first visit only.

SPECIAL FEE FOR INVESTIGATION ONLY—30 GUINEAS, including stay up to 10 days and report to doctor. For particulars, apply to

THE SECRETARY, Ruthin Castle, North Wales.

*Telegrams:* Castle, Ruthin. *Telephone:* Ruthin 66.

## CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT.

*Telephone: Gatley* 2231 (3 lines).

# TOR-NA-DEE SANATORIUM

## MURTLE, DEESIDE, ABERDEENSHIRE

**FOR THE DIAGNOSIS AND TREATMENT OF ALL FORMS OF TUBERCULOSIS**

Managing Director: DAVID LAWSON, M.D., F.R.S.E.

Southern aspect. Low rainfall. Pure bracing air. Sheltered grounds. Beautiful surroundings. All modern equipment for diagnosis and treatment, including operating theatre. **No extra charge for X Rays, Artificial Pneumothorax, Ultra-Violet Light, or other special treatment.**

Day and night Nursing Staff. All bedrooms have central heating, electric light, hot and cold running water, and wireless (headphones). Comfortable and airy public rooms.

Medical Superintendent: R. Y. KEERS, M.D. Inclusive terms seven guineas per week.

Telephone: Cults 107. For prospectus apply to the Secretary.

# CRICHTON ROYAL, DUMFRIES

**For NERVOUS AND MENTAL DISORDERS**

Separate Villa for patients suffering from the effects of alcoholism and drug addiction. Every facility for complete investigation and individual treatment on the most modern lines. Fully equipped gymnasium, golf course, and indoor swimming pool. Specially trained occupational and recreational therapists. **Special Department for Insulin Therapy.** As the hospital is well endowed terms are exceptionally moderate, e.g., First Department from 3 guineas per week, Second Department, 2 and 2½ guineas per week. Voluntary and certified patients are received. Medical Certificates given anywhere in the British Isles are valid for admission of patients. *For prospectus, necessary forms, and further information apply to:—*

Physician Superintendent, **P. K. McCowan**, J.P., M.D., F.R.C.P., D.P.M., Barrister-at-Law. *Tel.* Dumfries 1119.

# SHAFTESBURY HOUSE

**FORMBY-BY-THE-SEA Nr. LIVERPOOL**

Specially built and licensed for the care and treatment of a limited number of Ladies and Gentlemen suffering from NERVOUS and MENTAL breakdown. Voluntary and certified patients received. Ladies also admitted as Temporary Patients without certification. Terms moderate. *Apply*, RESIDENT PHYSICIAN, who may be seen in Liverpool, by appointment. *Tel. No.* 8 *Formby.*

# THE OLD MANOR SALISBURY

*A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.*

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

**CONVALESCENT HOME AT BOURNEMOUTH** Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 3216 and 3217.

# CALDECOTE HALL

**NUNEATON WARWICKSHIRE**

('Phone: Nuneaton 241)

**Residential treatment of**

## "Nervous Disorders" & Alcoholism

**(Certifiable cases are not received)**

This beautiful mansion situated in the heart of the country (less than two hours from London by L.M.S.R.) and surrounded by charming pleasure grounds in which games and outdoor occupational therapy are available is devoted to the treatment of Alcoholism and "Nerves" by psychotherapeutic and ancillary methods.

*Illustrated Brochure and particulars obtainable from A. E. CARVER, M.D., D.P.M., Resident Medical Superintendent.*

# HOLLOWAY SANATORIUM

**VIRGINIA WATER**

**A Registered Hospital for the Treatment of MENTAL DISORDERS of the EDUCATED CLASSES. Founded by THOMAS HOLLOWAY in 1885.**

This Institution is situated in a beautiful and healthy locality within easy reach of London. It is fitted with every comfort. Patients can have Private Bedrooms and Special Nurses as well as the use of General Sitting Rooms, at moderate rates of payment. Voluntary Patients can be admitted.

There is a Branch Establishment at CANFORD CLIFFS, BOURNEMOUTH, where Patients can be sent for a change and be provided with all the comforts of a well-appointed home.

*For Terms, apply to—*

**The RESIDENT MEDICAL SUPERINTENDENT, St. Ann's Heath, Virginia Water, SURREY**

## CHISWICK HOUSE,
**PINNER, MIDDLESEX.**
**Telephone: PINNER 234.**

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.

DOUGLAS MACAULAY, M.D., D.P.M.

## CITY OF LONDON MENTAL HOSPITAL
**Near DARTFORD, KENT.**

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of £2 9s., and upwards.

## THE COPPICE, NOTTINGHAM.
**HOSPITAL FOR MENTAL DISEASES.**
President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

Telephone: 64117 Nottingham.

Telegraphic Address: "Relief, Old Catton." Telephone: 290 Norwich.

## NERVOUS & MENTAL AFFECTIONS
*Ladies only received*

## The Grove, Old Catton, Norwich.
A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.

For full particulars apply to the Misses McLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich. Visiting Physician.

## STRETTON HOUSE,
**Church Stretton, Shropshire.**
ESTABLISHED IN 1853.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Patients under the provisions of the Mental Treatment Act, 1930. Bracing hill country. See "Medical Directory," p. 2358.—Apply to the Medical Superintendent. 'Phone 10 P.O., Church Stretton

## SPRINGFIELD HOUSE
'Phone: BEDFORD 3417. **Near BEDFORD**
**For Mental Cases with or without Certificates.**

*Ordinary Terms: Five Guineas per week (including Separate Bedrooms for all suitable cases without extra charge).*

For forms of admission, &c., apply to the Resident Physician, CEDRIC W. BOWER.

INTERVIEWS IN LONDON BY APPOINTMENT.

## BROOKE HOUSE, CLAPTON
A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

*For further particulars apply—*
Dr. ERNEST ROLLINS, Resident Physician.
*Tel.:* Amherst 1642.

## Littleton Hall, Brentwood, Essex.
(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received.
Apply to Dr. HAYNES. Tel.: Brentwood 45.

## Grove House, All Stretton, Church
**STRETTON, SHROPSHIRE.**

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.
Climate healthy and bracing.
Apply to Dr. McCLINTOCK, Proprietor and Resident Medical Superintendent.

## THE PARK HOSPITAL
**for**
**FUNCTIONAL NERVOUS DISORDERS**
**OLD ROAD, HEADINGTON, OXFORD**

The above Hospital of 26 beds for patients of both sexes has recently been opened for the active treatment of neuroses, psychoneuroses, and allied disorders. Full facilities for special investigations are available.

The Hospital, which has extensive grounds, occupies a quiet and healthy situation on the outskirts of Oxford.

Fees are from £4 . 14 . 6 per week.

*Applications for admission should be made to The Medical Director, R. G. McInnes, Esq., M.R.C.P.E., D.Psych. Telephone: 6599 Oxford.*

## FENSTANTON, at "FIVE DIAMONDS," Chalfont St. Giles, Bucks.
A Private Home for the Care and Treatment of a limited number of LADIES with Mental and Nervous Disorders. Certified, Voluntary, and Temporary Patients received. Mansion with 12 acres of ground. (*See Medical Directory*, p. 2346.) Apply Resident Physician. Telephone: Little Chalfont 2046. Station: Chalfont and Latimer.

## PORTSMOUTH CITY MENTAL HOSPITAL
Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

## The Princess Beatrice Hospital,
Earl's Court, S.W.5.

Vacancies occur for two residents (Male or Female).
(1) HOUSE SURGEON AND CASUALTY OFFICER.
(2) HOUSE PHYSICIAN AND CASUALTY OFFICER.

Appointment in each case to be for six months beginning 1st July, 1940. Salaries at the rate of £110 per annum, with board, residence, and laundry (plus £10 during the six months to cover all duties relating to private patients). Previous resident experience desirable but not essential.

Full particulars may be obtained from the House Governor, to whom applications, accompanied by copies of three recent testimonials, should be forwarded not later than 9 A.M., 10th June, 1940.

JOHN R. GRIFFITH, A.H.O.A.

## The Samaritan Free Hospital for
WOMEN, Marylebone-road, N.W.1.

Applications are invited for the post of HOUSE SURGEON for a period of six months commencing 5th June next. Salary at the rate of £100 per annum, with board, lodging, and laundry. Previous experience as House Surgeon essential.

Applications, stating age, accompanied by copies only of testimonials, should be sent to the Secretary at the Hospital not later than NOON, Thursday, 30th May, 1940.

G. H. HAWKINS, Secretary.

## West Ham Hospital for Nervous and
MENTAL DISORDERS, GOODMAYES, ILFORD.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER (Locum Tenens), Male or Female. Salary £350 per annum, with board, apartments, laundry, and attendance.

Applications, stating age, qualifications, and experience, together with three copies of recent testimonials, should be sent to the Medical Superintendent not later than 24th May, 1940.

## UNIVERSITY EXAMINATION POSTAL INSTITUTION

Founded in 1882 by E. S. WEYMOUTH, M.A.

Postal or Oral Preparation for all Medical Examinations.

### SOME SUCCESSES

| | |
|---|---|
| M.D. (Lond.), 1901-39 (11 Gold Medallists 1913-39) .. | 427 |
| M.S. (Lond.), 1901-39 (including 4 Gold Medallists) .. | 24 |
| M.B., B.S. (Lond.), *Final*, 1901-39 (completed exam.).. | 368 |
| F.R.C.S. (Eng.), 1901-39 .. Primary 300 ; Final | 240 |
| D.P.H. (various), 1901-39 (completed exam.) .. .. | 366 |
| F.R.C.S. (Edin.), 1901-39 .. .. .. .. .. | 90 |
| M.R.C.P. (Lond.), 1901-39 .. .. .. .. .. | 342 |
| M.R.C.S., L.R.C.P., *Final*, 1901-39 (completed exam.).. | 728 |

M.D. (various), by Thesis. Many Successes.

D.O.M.S., D.L.O., D.P.M., &c. Many Successes.

**MEDICAL PROSPECTUS (36 pages),**

sent gratis, along with List of Tutors, &c., on application to the Principal, 17, Red Lion-square, London, W.C.1. (Telephone: Holborn 6313.)


## The Hospital for Sick Children,

Great Ormond-street, London, W.C.1.

Vacancies for HOUSE PHYSICIANS and HOUSE SURGEONS will occur early in June, 1940.

The appointments are tenable for six months. Salaries at the rate of £100 per annum, with full board and residence.

Candidates, who must possess a legal qualification to practise and preferably have held a responsible resident appointment at a General Hospital, are required to send in their applications and recent testimonials by NOON on Monday, 27th May, 1940, and to attend for interview on Wednesday, 5th June, at 4.45 P.M.

Further particulars and forms of application are obtainable from the undersigned.

HERBERT F. RUTHERFORD, Secretary.

May, 1940.

## Tilbury Hospital, Tilbury, Essex.

The Committee of Management of the Seamen's Hospital Society will receive applications for the post of RESIDENT HOUSE OFFICER. "A" For the six months commencing 1st June, 1940. Salary at the rate of £200 per annum, with board, residence, and laundry. Applications, to be forwarded immediately to the undersigned with copies of not more than three recent testimonials.

F. A. LYON, Secretary.

Seamen's Hospital Society, Greenwich, S.E.10.

## Miller General Hospital.

Greenwich High-road, S.E.10.

Applications are invited for the following posts : Two HOUSE SURGEONS*. Salary £100 per annum. Candidates (Male) must be unmarried. Board, residence, and laundry are provided. CASUALTY OFFICER. Male ; part-time ; morning session. Salary £150 per annum, non-resident. Fuller particulars on application. OUT-PATIENT OFFICER (Male ; part-time) who is required to see Medical and Surgical cases. Salary £150 per annum, non-resident. The appointments are for six months from 1st July, 1940. There are five Resident Officers. Application forms can be obtained from the Secretary, and must be returned not later than 28th May, 1940.

* Not House Physicians as previously advertised.

7th May, 1940.

## Dreadnought Hospital, Greenwich,

S.E.10. (Seamen's Hospital Society.)

RESIDENT RECEIVING-ROOM OFFICER (Male) required immediately for six months, designated "B" appointment. Salary at not less than £180 per annum, with board, residence, laundry, &c.

Applications, stating age and previous experience, with copies of recent testimonials, to be sent to the undersigned.

F. A. LYON, Secretary.

## Battersea General Hospital,

Battersea Park, London, S.W.11.

(85 Beds.)

Applications are invited for the appointment of a HOUSE PHYSICIAN (Male or Female) for a period of six months, commencing the 1st July next. Salary at the rate of £100 per annum, with board, residence, and laundry.

Applications, stating age, nationality, qualifications, and experience, with copies of three recent testimonials, should be sent to the Secretary of the Hospital not later than the 29th May, 1940.

## The Princess Elizabeth of York

HOSPITAL FOR CHILDREN,

Shadwell, London, E.1.

(Formerly East London Hospital for Children.)

A RESIDENT MEDICAL OFFICER and a RESIDENT SURGICAL OFFICER are required by the above Hospital. Candidates are invited to send their applications to the Secretary as soon as possible, accompanied by copies of not more than three recent testimonials and particulars of previous appointments. The Senior of these two will receive £250 per annum and the Junior £150 per annum, with board, residence, and laundry. Candidates must be properly registered in this country.

Forms of application and copies of the rules can be obtained from the Secretary.

## St. Mark's Hospital for Cancer, Fistula

AND OTHER DISEASES OF THE RECTUM,

City-road, London, E.C.1.

Applications are invited for the post of HOUSE SURGEON (Male). Salary £120 per annum, with board, residence, and laundry. Duties to commence 1st July, 1940.

Applications, with copies of testimonials, must reach the Secretary (from whom further particulars may be obtained) not later than Saturday, 8th June, 1940.

## The London Lock Hospital,

91, Dean-street, W.1.

Applications are invited for a Non-resident MEDICAL OFFICER (Male) to the OUT-PATIENT DEPARTMENTS for both sexes. Candidates must be qualified and duly registered. The appointment is for three months in the first instance, commencing as soon as possible ; salary at the rate of £350 per annum.

Applications, enclosing copies (only) of three recent testimonials, must be in the hands of the Secretary (from whom further particulars can be obtained) by first post on Thursday, 30th May.

## Central London Throat, Nose, and Ear

HOSPITAL, Gray's Inn-road, W.C.1.

REGISTRAR.

Applications are invited for the post of Registrar (whole-time, but reasonable facilities given for other work). The successful candidate should hold one of the higher qualifications in surgery or the D.L.O., or should undertake to obtain one of these qualifications within a year. Salary at the rate of £200 per annum plus certain emoluments.

Further particulars of the appointment may be obtained from the undersigned, to whom applications, accompanied by copies of three recent testimonials, should be sent on or before May 28th.

JOHN H. YOUNG, Secretary-Superintendent.

## The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),

Fulham-road, London, S.W.3.

Applications are invited for the post of SECOND ASSISTANT PATHOLOGIST, to commence duties on July 1st.

Salary £300 per annum. The appointment is for twelve months and subject to rules, a copy of which may be obtained from the Secretary.

Applications, to be made on a form which will be supplied by the Secretary, together with copies only of three recent testimonials, to be sent to the Secretary not later than the first post on Monday, June 10th.

CLEMENT COBBOLD, Secretary.

## British Postgraduate Medical School.

There is a vacancy for a HOUSE SURGEON in the SURGICAL UNIT, British Postgraduate Medical School, Hammersmith Hospital. The appointment is for six months and not renewable. Salary £105 per annum, with board, residence, and laundry. Duties to commence on June 8th, 1940. Experience of Fractures required.

Applications from Practitioners eligible for military service will not be considered. An exception to this condition will be made in the case of Practitioners who have been qualified less than six months.

Applications, with copies of testimonials, should be sent to the Dean, British Postgraduate Medical School, Ducane-road, London, W.12, to arrive not later than first post on Friday, May 24th, 1940.

## Queen's Hospital for Children,

Hackney-road, E.2.

HOUSE PHYSICIAN required 1st June, 1940.

CASUALTY OFFICER required 1st June, 1940.

HOUSE SURGEON required 1st July, 1940.

Six months' appointments. Salary at rate of £100 per annum, with board, lodging, and laundry. Candidates must have had some previous experience and be prepared to participate in the Emergency Hospital arrangements in connexion with which beds have been reserved and in respect of which additional remuneration is payable.

Applications must be made on forms to be obtained from the undersigned and be sent in, with copies of not more than three testimonials, on or before 22nd May, 1940.

CHARLES H. BESSELL, Secretary.

# INDIAN MEDICAL SERVICE

## RECRUITMENT OF EUROPEAN OFFICERS

**Applications are invited from Medical Men for Seven Emergency Commissions in the Indian Medical Service. Candidates will be interviewed by a Selection Committee at the India Office in June. Selected candidates will probably be required to sail for India in October and may be required to undergo a month's course of instruction in this country before departure.**

British subjects of pure European descent who are under 32 years of age and who are registered under the Medical Acts in force in Great Britain and Northern Ireland are eligible to apply.

While no guarantee can be given of permanent retention in the I.M.S. after the war, Emergency Commissioned Officers will be considered for any vacancies that may then exist in the permanent cadre. Officers whose commissions are not extended will, on demobilisation, be granted gratuities based on one month's pay for each year of service.

**RATES OF PAY.**

| Rank and Service in Rank. | Basic Pay in Rs. per mensem. | Year of Service. | Overseas Pay. £ per month. |
|---|---|---|---|
| Lieutenant .. .. .. .. .. .. .. | 450 | 1 | 15 |
| Captain, during 1st year as such .. .. .. .. | 500 | 2 | 25 |
| Captain, during 2nd and 3rd years as such .. .. | 550 | 3 | 25 |
| | | 4 | 25 |
| Captain, during 4th and 5th years as such .. .. | 600 | 5 | 25 |
| | | 6 | 30 |

In addition to the above rates various allowances are admissible for a number of special appointments.

All commissioned service with the Colours as a Medical Officer will count as service towards rank and seniority. Antedates in respect of hospital appointments and higher medical qualifications will be granted only in the event of an officer receiving a permanent commission at the end of the war. On appointment officers will be granted a uniform allowance of £40.

**DISABILITY AND FAMILY PENSIONS.**

Officers will be eligible for the same Disability and Family Pensions as are admissible to Emergency Commissioned Officers of the British Service.

**LEAVE AND PASSAGES.**

Leave will be granted subject to the exigencies of the service under conditions applicable to Regular British Officers. On appointment an officer is provided with free passage to India and will be eligible for a return passage on the termination of his service. If he elects to remain in India, however, conveyance will be provided for his family, if any, to join him.

**Application Forms and full particulars may be obtained from the UNDER-SECRETARY OF STATE, MILITARY DEPARTMENT, INDIA OFFICE, LONDON, S.W.1. Applications should reach the India Office as soon as possible and the envelope should be marked "Medical Recruitment" on the top left-hand corner.**

## The Royal Waterloo Hospital for CHILDREN AND WOMEN,

Waterloo-road, London, S.E.1.

HON. MEDICAL REGISTRAR.

Applications are invited for the post of Hon. Medical Registrar. The appointment will be for a period of one year in the first instance. Honorarium £75 per annum.

Applications, together with copies of not more than three testimonials, should be sent to the undersigned, from whom further particulars can be obtained, and should arrive not later than May 28th, 1940.

J. H. TEASDALE, Secretary.

## The Royal Waterloo Hospital for CHILDREN AND WOMEN,

Waterloo-road, London, S.E.1.

ANÆSTHETIST.

Applications are invited for the post of Part-time Anæsthetist. Candidates must be registered Medical Practitioners. Salary £50 per annum.

The appointment is for six months in the first instance, commencing June 1st, 1940.

Applications, together with not more than three testimonials, should be made to the Secretary, from whom further particulars can be obtained, not later than May 28th.

J. H. TEASDALE, Secretary.

## Metropolitan Hospital, London, E.8.

Applications are invited for the post of RESIDENT HOUSE OFFICER.

The appointment is for six months. Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, &c., together with testimonials, should be sent to the undersigned now.

FRANK JENNINGS, House Governor and Secretary.

## Victoria Hospital for Children,

Tite-street, Chelsea, S.W.3. (138 Beds.)

The Committee of Management invite applications for the post of HOUSE-PHYSICIAN vacant Monday, 3rd June, 1940. The appointment is for six months. Salary at the rate of £100 per annum, with board, lodging, and washing. Previous experience preferable.

Candidates should send their applications and copies of three testimonials to the Secretary not later than the first post on Wednesday, 29th May, and are expected to attend the Hospital for an interview. Travelling expenses, &c., will not be paid.

D. ST. JOHN BAMFORD, Secretary.

## London Hospital, E.1.

Applications are invited for the post of CHIEF ASSISTANT (full-time) to the RADIO-THERAPY DEPARTMENT. Candidates (Male or Female) must be fully qualified medically and hold a radiological qualification. Salary at the rate of £400 per annum. Non-resident. The initial appointment will be for six months, renewable half-yearly up to a maximum period of three years.

Applications, together with copies of testimonials, should be sent to the House Governor, from whom further particulars may be obtained, and should arrive not later than Saturday, 25th May, 1940.

H. BRIERLEY, House Governor.

## Connaught Hospital, Walthamstow,

E.17. (118 Beds, with Five Resident Medical Officers.)

Applications are invited for the following appointments:—

(a) HOUSE PHYSICIAN (Male).
(b) CASUALTY OFFICER (Male).

Applicants should be within six months of registration. Salary at the rate of £130 per annum, with board, residence, and laundry. The appointments are for the six months commencing on 1st July, 1940.

Applications, stating age, nationality, and qualifications, to be sent in on or before 4th June to the undersigned.

R. HALTON HARRISON, General Secretary.

## The Royal Masonic Hospital,

Ravenscourt Park, W.6.

A post of RESIDENT SURGICAL OFFICER (Male), one of four Residents (two Medical and two Surgical Officers), will be vacant on 1st June, 1940. Salary at the rate of £250 per annum, with board, residence, and laundry. The appointment is for six months. Candidates must be registered, and must have held resident appointments at a General Hospital. The Institution is primarily for paying patients of both sexes of moderate means, usually unable to afford ordinary nursing-home treatment, &c. Military work is being done in addition to the civilian work.

Applications, stating full particulars, to be sent immediately to the Honorary Secretaries, from whom further information may be obtained.

## Golden Square Throat, Nose and Ear HOSPITAL, London, W.1.

Applications are invited for the post of HOUSE SURGEON (male). Salary at the rate of £100 per annum, with board, residence and laundry.

Applications, stating age, qualifications, and experience, should be sent to the undersigned as soon as possible and in any case not later than 23rd May.

JOHN H. YOUNG, Secretary-Superintendent.

## Cambridgeshire County Council.

COUNTY INFIRMARY, CAMBRIDGE.

Immediate applications are invited for the appointment of (a) HOUSE SURGEON, and (b) HOUSE PHYSICIAN, at the County Infirmary, Cambridge, a Public Assistance Institution upgraded as a Class I Emergency Hospital.

The total number of Beds available in an emergency is 294; about 150 Beds are occupied at the present time.

Salary at the rate of £200 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, with copies of recent testimonials, should be sent at once to the Clerk of the Cambridgeshire County Council, Shire Hall, Castle Hill, Cambridge.

1st May, 1940.

## Walsall General Hospital.

The Committee invite applications from Men for the post of HOUSE PHYSICIAN AND RESIDENT ASSISTANT PATHOLOGIST. Salary at the rate of £175 per annum.

WALTER FRANCOMBE, House Governor.

13th May, 1940.

## County Borough of Smethwick.

ST. CHAD'S HOSPITAL.

HOUSE PHYSICIAN AND ANÆSTHETIST.

Applications are invited from registered Medical Practitioners for the appointment of House Physician and Anæsthetist at the Council's Municipal Hospital. The appointment will be for a period of six months at a salary at the rate of £150 per annum, with the usual emoluments. If the successful candidate is reappointed for a further period of six months, the salary will be at the rate of £200 per annum.

The Hospital contains 147 Beds, and the cases treated include General Medical, Acute Surgical, and Maternity patients. It is staffed by the Honorary Consultants of the Birmingham teaching hospitals.

Forms of application may be obtained from the Medical Superintendent, St. Chad's Hospital, Hagley-road, Birmingham, 16, to whom applications, endorsed "House Physician" and accompanied by copies of three recent testimonials, must be delivered not later than 22nd May, 1940.

Canvassing, directly or indirectly, will disqualify.

FRANK CHAPMAN, Town Clerk.

Council House, Smethwick, 6th May, 1940.

## The Prince of Wales's Hospital,

PLYMOUTH.

Applications are invited for the post of SENIOR HOUSE SURGEON for duty at the DEVONPORT SECTION (64 Beds.)

Salary £130 per annum, with board, residence, and laundry.

Appointment is tenable for six months and is subject to renewal. Duties to commence 7th June.

Applicants must be registered under the Medical Acts.

The Hospital is officially recognised for the surgical practice required before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.

Applications, stating age and qualifications, with copies of three recent testimonials, must reach the undersigned by the 24th May. ARTHUR R. CASH, General Superintendent.

4th May, 1940.

## The Prince of Wales's Hospital,

Greenbank-road, PLYMOUTH.

(254 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male).

Salary £225 per annum, with board, residence, and laundry.

Appointment is tenable for six months and is subject to renewal. Duties to commence 20th June.

Applicants must be registered under the Medical Acts and it is desirable they should possess the F.R.C.S. England or Edinburgh.

Applications, stating age and qualifications, together with copies of three recent testimonials, to reach the undersigned by 24th May. ARTHUR R. CASH, General Superintendent.

4th May, 1940.

## Royal Salop Infirmary, Shrewsbury.

(200 Beds.)

APPOINTMENT OF RESIDENT HOUSE PHYSICIAN.

Applications are invited from fully qualified unmarried Gentlemen for the appointment of Resident House Physician vacant immediately.

Salary £160 per annum, with board, residence, &c.

The appointment is for six months, subject to re-appointment. Resident Staff comprises Resident Surgical Officer, Resident House Physician, and two Resident House Surgeons. The Resident House Physician is Resident Officer to the Medical Wards of the Hospital under the direction of three Honorary Physicians, and of the Maternity Unit under the direction of the Honorary Obstetrician.

Applications, stating age, qualifications, experience, nationality, and accompanied by copies of three recent testimonials, to be sent to the undersigned forthwith.

J. W. NOBLE, Secretary-Superintendent.

Board Room, 15th May, 1940.

## Derbyshire Royal Infirmary.

(GENERAL HOSPITAL. 416 Beds.)

Applications are invited for the post of HOUSE SURGEON for CASUALTY DEPARTMENT (Male or Female). Candidates must be qualified and registered under the Medical Acts. Salary will be £150 per annum, with apartments, board, &c. Applications, with copies of testimonials, to be sent to the undersigned, as early as possible.

ARTHUR TAYLOR, Superintendent and Secretary.

7th May, 1940.

## Birmingham and Midland Eye

HOSPITAL.

Applications are invited from duly qualified Medical Practitioners for the post of RESIDENT SURGICAL OFFICER at the above Hospital. Salary £200 per annum and £10 laundry allowance. The Resident Staff consists of a Resident Surgical Officer and three House Surgeons, and, in the event of one of the latter being promoted to the position of Resident Surgical Officer, applicants should state whether they will be willing to accept appointment as House Surgeon at a salary of £130 (rising to £150 at the end of six months' satisfactory service) per annum. Applications, with testimonials and evidence of registration, must be received not later than Friday, 24th May next, and should be addressed to the Chairman of the Medical Board.

Church-street, Birmingham, 3.

## North Riding Infirmary, Middlesbrough

(General Hospital, 143 Beds. Three Residents.)

Applications are invited for the posts of CASUALTY OFFICER and HOUSE PHYSICIAN (Male or Female) for a period of six months, renewable. Duties of the house physician also include the administration of a number of anæsthetics.

Salaries are at the rate of £150 and £140 per annum respectively with board residence and laundry. Candidates must be unmarried and of British nationality. Duties to commence immediately. Applications, stating age, qualifications and experience, together with copies of three recent testimonials, should be sent to the undersigned forthwith.

GERALD A. KENYON, Secretary-Superintendent.

## The Chester Royal Infirmary.

(Normal Capacity 225 Beds.)

Applications are invited for the post of HOUSE PHYSICIAN to take up duties on 1st June.

The appointment is approved in connexion with the M.D. Examination of the University of London.

Salary £150 per annum, with board, lodging, and laundry.

Application list closes 24th May.

Application forms may be obtained from—

W. H. GRACE, M.D., F.R.C.P.,
Hon. Secretary, Medical Committee.

## York County Hospital.

(222 Beds.)

Applications are invited for the following resident posts :—

(*a*) HOUSE SURGEON.
(*b*) HOUSE SURGEON AND RESIDENT ANÆSTHETIST.
(*c*) HOUSE PHYSICIAN.

The salary attaching to each post is £150 per annum, with board, residence, and laundry.

Applications, stating age and previous experience, together with copies of not more than three recent testimonials, to be sent to the undersigned not later than 9 A.M., on Friday, 24th May, 1940. J. R. MACKRILL, Secretary.

## Royal Infirmary, Blackburn.

(244 Beds—5 Residents.)

RESIDENT HOUSE SURGEON (Male) required at a salary of £175 per annum, with board, residence, laundry, &c.

Applications, with copies of testimonials, stating age, nationality, experience, &c., to be sent to the undersigned as early as possible.

T. DEWHURST, General Superintendent and Secretary.

This Institution is recognised for the surgical practice required for the F.R.C.S. examination.

## University of Durham.

KING'S COLLEGE, NEWCASTLE UPON TYNE.

Applications are invited from registered Medical Practitioners for the joint post of DEMONSTRATOR IN PATHOLOGY in the Medical School and ASSISTANT PATHOLOGIST to the Royal Victoria Infirmary, Newcastle upon Tyne. The appointment will be a whole-time one, renewable annually for a period not exceeding three years. Salary £300 per annum.

Applications (six copies), stating previous experience, accompanied by the names of not more than three referees, should be forwarded on or before 24th May, 1940, to the undersigned, from whom further particulars may be obtained.

W. G. B. OLIVER, Registrar of King's College.

## City of Plymouth.

TEMPORARY ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified Medical Practitioners (Male or Female) for the temporary appointment of Assistant Medical Officer of Health, at a salary of £500, rising by £25 annually to £700 per annum, for maternity and child welfare and school medical duties. The appointment will be whole-time and the person appointed will be required to refund to the Council any fees received. The successful applicant will be required to act under the general supervision of the Medical Officer of Health and to carry out any duties delegated by him from time to time. Forms of application may be obtained from the undersigned, and should be returned, together with copies of not more than three recent testimonials, on or before Monday, 27th May, 1940. T. PEIRSON,

Medical Officer of Health, City and Port of Plymouth.

Town Hall, Stonehouse, Plymouth.

## The Royal Hospital, Wolverhampton.

(Incorporated under Royal Charter.)

HOUSE SURGEONS (2) (GENERAL SURGERY)
HOUSE SURGEON (EAR, NOSE, AND THROAT DEPARTMENT).
CASUALTY OFFICER. Duties to commence forthwith.

Applications are invited for the above resident posts.

The Hospital contains 300 Beds, includes the usual special departments, and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts, and unmarried.

The appointments are for six months. Salary £100 per annum. Board, furnished room, and laundry provided.

Applications, with copies of testimonials, to be forwarded to the undersigned.

W. H. HARPER, House Governor.

Wolverhampton, 29th April, 1940.

## Derbyshire Education Committee.

SCHOOL MEDICAL SERVICE.

TEMPORARY ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited for the post of Temporary Assistant School Medical Officer at a salary of £500 per annum, together with a travelling allowance in accordance with the County Scale.

Candidates must be registered Medical Practitioners of at least three years' standing. The duties will include work under the Maternity and Child Welfare Service, and experience in this work and in Mental Deficiency is desirable.

Applicants may be of either sex, but in the case of males they should be over thirty-five years of age.

The successful candidate will be required to pass a medical examination.

The Officer appointed will not be allowed to engage in private or consulting practice, but will be required to devote the whole time to the duties of the office and will act under the direction of the School Medical Officer.

Forms of application may be obtained from the undersigned to whom they should be returned completed, together with copies of not more than three recent testimonials, on or before 24th May, 1940, endorsed "Temporary Assistant School Medical Officer."

The appointment will be terminable by three months' notice on either side.

W. M. ASH, School Medical Officer.

County Offices, St. Mary's Gate, Derby, 6th May, 1940.

## Chorley and District Hospital,

CHORLEY, LANCASHIRE.

(Voluntary General Hospital with 75 Beds.)

HOUSE SURGEON.

Applications are invited for the post of House Surgeon to commence in June, 1940.

The appointment will be for six months, but the appointed candidate will be eligible for reappointment.

The salary is £150 per annum, with board, residence, and laundry.

Applications, with copies of three recent testimonials, to be sent to the undersigned not later than Saturday, 25th May, 1940.

C. H. SPENCE, Secretary-Superintendent.

## Bucks County Council.

PUBLIC HEALTH DEPARTMENT.

TEMPORARY HOUSE PHYSICIAN—EMERGENCY MATERNITY HOME

Applications are invited from duly qualified and registered Medical Practitioners for the post of House Physician at the Emergency Maternity Home, Amersham. This home of 48 Beds is set up under the Government Evacuation Scheme, receives all types of maternity cases as well as being the hospital for difficult cases from other homes under this scheme. The successful candidate will be required to devote the whole of his (her) time to the duties of the appointment, and will work under the supervision of the resident obstetric consultant.

The appointment is a temporary one for six months in the first instance and the salary is at the rate of £200 per annum, with board and residence. Forms of application may be obtained from the County Medical Officer, County Offices, Aylesbury, and should be returned to him, with copies of not more than three recent testimonials, not later than 22nd May, 1940.

GUY R. CROUCH, Clerk of the County Council.

County Hall, Aylesbury, 4th May, 1940.

## City of Manchester.

MONSALL HOSPITAL FOR INFECTIOUS DISEASES.

(600 Beds.)

The Public Health Committee invites applications from registered Medical Men for the post of JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER (Grade 2) at the above-named hospital.

Preference will be given to applicants who have held resident surgical and medical posts in a general hospital and have taken the Diploma in Public Health or had special experience in bacteriology.

Salary £250 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, after which special consideration will be given for a permenent appointment to a higher grade.

Full information and forms of application may be obtained from the Medical Officer of Health, Hospitals Administration Section, Box 399, Town Hall, Manchester, 2, and applications for the post must be received by him not later than 24th May, 1940.

R. H. ADCOCK, Town Clerk.

Town Hall, Manchester, 2, 2nd May, 1940.

## Nottingham and Midland Eye

INFIRMARY.

RESIDENT HOUSE SURGEON required end of May. 54 Beds. Large Out-patient Department. Salary £200 per annum, with board and laundry. Post recognised for D.O.M.S.

Applicants should state age, qualifications, experience, and send copies of three recent testimonials to the Secretary, The Ropewalk, Nottingham.

## North Staffordshire Royal Infirmary,

STOKE-ON-TRENT.

Applications are invited for the post of ORTHOPÆDIC HOUSE SURGEON (Male or Female). Previous hospital experience is desirable but not essential. The department serves one of the largest fracture clinics in the country and offers exceptional experience.

Salary at the rate of £150–£200 per annum, according to experience, with board, residence, &c.

Applications, giving age, experience, and nationality, accompanied by three copy testimonials, should be forwarded to the undersigned as soon as possible.

THORNBURROW GIBSON, Secretary and House Governor.

## North Staffordshire Royal Infirmary,

STOKE-ON-TRENT.

(412 Beds.)

The Committee invites applications from Medical Men newly qualified or from Women with previous hospital experience for the following resident posts:—

CASUALTY OFFICER.

HOUSE PHYSICIAN.

Salary in each case at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, nationality, and experience, and accompanied by three copy testimonials, to be forwarded to the undersigned as soon as possible.

THORNBURROW GIBSON, Secretary and House Governor.

## The Corbett Hospital, Stourbridge.

100 Beds and Special Departments.

Applications are invited for the following posts which will become vacant on the 1st July next. HOUSE PHYSICIAN at a salary at the rate of £125 per annum, with board, laundry, &c. HOUSE SURGEON at a salary at the rate of £100 per annum, with board, laundry, &c. The appointments will be for a period of six months terminable by six weeks' notice. The Hospital has a Specialist Visiting Staff and Resident Surgical Officer. Applications, giving full details of qualifications, age, and experience, accompanied by three copies of testimonials, should be addressed to the undersigned forthwith.

W. G. H. WESTON, Secretary.

## Coventry and Warwickshire Hospital.

Applications are invited for the following appointments:—

HOUSE SURGEON to the FRACTURE AND ORTHOPÆDIC DEPARTMENT.

HOUSE SURGEON to the EAR, NOSE, AND THROAT DEPARTMENT.

Each post, which is for six months terminating on October 31st next, carries with it a salary at the rate of £150 per annum, together with board, quarters, and laundry.

Applications, with full particulars, to be addressed to the undersigned immediately.

S. CECIL HILL, House Governor and Secretary.

## Boston General Hospital, Lincs.

(70 Beds.)

RESIDENT MEDICAL OFFICER required to commence duty 1st June. Salary £150 per annum, with board, residence, and laundry. The appointment is for six months.

Applications, stating age and qualifications together with copies of three recent testimonials, should be addressed to the Secretary.

## Upton Emergency Hospital, Chester.

(360 Beds.)

Applications are invited for the appointment of a JUNIOR RESIDENT HOUSE PHYSICIAN (Male) for the above hospital.

The salary is that laid down by the Ministry of Health, viz., £200 per annum with the usual emoluments.

Applications to be made, accompanied by recent testimonials, to "The Medical Superintendent, Upton Emergency Hospital, Chester."

Early application is advisable.

## Bristol Eye Hospital.

LOCUM TENENS IMMEDIATE VACANCY.

Applications are invited for the post of RESIDENT HOUSE SURGEON (either sex) until June 30th. Salary £6 6s. per week.

Applications, stating age and qualifications, should be sent to the undersigned without delay.

D. M. BABER, Secretary and House Governor.

## Rochdale Infirmary and Dispensary.

(110 Beds. Three Residents.)

The Board of Management invites applications for the appointment of SECOND HOUSE SURGEON.

The salary attached to the appointment is at the rate of £150 per annum, including board, residence, and laundry.

Applications, stating age, nationality, &c., together with copies of three recent testimonials, to be sent to the Secretary, endorsed "House Surgeon."

Conditions of the appointment may be had on application to the Secretary.

W. WYNNE, Secretary.

Infirmary Office, Rochdale, Lancs.

## Manchester Royal Infirmary.

MEDICAL CHIEF ASSISTANT (Non-resident).

The Board of Management invite applications for the above appointment. Applicants must be registered Medical Practitioners. Higher qualifications desirable. The candidate appointed will be attached to a medical unit and will be required to attend on seven half-sessions per week, of which at least five will be morning sessions. Duties will include work in the In-patient and Out-patient Departments and participation in teaching. There will be facilities for research work. Salary £300 per annum. The appointment will be for one year in the first instance, but may be renewed for two further periods of one year subject to the provisions of the Bye-laws as to notice, &c. Candidates should forward fifteen copies of their applications, giving particulars of age, experience, &c., together with fifteen copies of recent testimonials, not later than 9 A.M., Wednesday, 22nd May, 1940, to the undersigned, from whom further information may be obtained.

By Order,
F. J. CABLE, General Superintendent and Secretary.
6th May, 1940.

## Manchester Royal Infirmary.

BARNES CONVALESCENT HOSPITAL.

RESIDENT JUNIOR MEDICAL OFFICER.

The Board of Management of the Manchester Royal Infirmary invite applications for the above post vacant on 14th June, 1940.

Applicants must hold a Medical and Surgical qualification and be registered and have held a hospital appointment.

The appointment is for six months, renewable for a further period of six months, subject to the provisions of the bye-laws as to notice, &c. Salary at the rate of £150 per annum, with board-residence and allowance for laundry.

Applications, stating age, with testimonials, to be sent to the Chairman of the Medical Board not later than 21st May, 1940.

By Order,
F. J. CABLE, General Superintendent and Secretary.
6th May, 1940.

## Manchester Royal Infirmary.

Two HOUSE SURGEONS to GENERAL SURGICAL UNITS.
One HOUSE SURGEON to AURAL, GYNÆCOLOGICAL, OPHTHALMIC and DERMATOLOGICAL DEPARTMENTS.

The Board of Management of the Manchester Royal Infirmary invite applications for the above appointments.

The appointments of House Surgeons to the General Surgical Units are for eight months and that of the House Surgeon to the Special Departments is for six months, subject to the provisions of the bye-laws as to notice, &c. Salaries at the rate of £50 per annum, with board-residence and allowance for laundry.

Applicants must hold a Medical and Surgical qualification and be registered.

Applications, stating age, qualifications, and experience, to be sent to the Chairman of the Medical Board not later than 13th May, 1940. By Order,
F. J. CABLE, General Superintendent and Secretary.
6th May, 1940.

## Manchester Royal Infirmary.

SECOND RESIDENT CLINICAL PATHOLOGIST
(Male or Female).

The Board of Management of the Manchester Royal Infirmary invite applications for the above post. Applicants must hold a medical and surgical qualification and be registered.

The duties are whole time, working under the Director of the Clinical Laboratory.

Salary £150 per annum, with board, residence, and allowance for laundry, plus a proportion of private fees.

Ten sets of applications, with two testimonials, stating age, to be sent to the General Superintendent not later than 22nd May, 1940. By Order,
F. J. CABLE, General Superintendent and Secretary.
3rd May, 1940.

## Royal Sussex County Hospital,

BRIGHTON.

Applications are invited for the following vacancies:—
HONORARY MEDICAL REGISTRAR.
HONORARY SURGICAL REGISTRARS (Two).

Candidates must hold a Medical and Surgical qualification of the British Empire and be duly registered under the Medical Acts. The appointments will be for a period of three years, the successful candidates being eligible for re-election at the end of that period. Applications must reach the undersigned at the Hospital before 12 NOON on the 27th May, 1940.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

## Royal Sussex County Hospital,

BRIGHTON. (395 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male, unmarried). The appointment will be tenable for a period of twelve months and subject to renewal. Salary £300 per annum, with board, residence, and laundry. Candidates must be a Master of Surgery or a Fellow of the Royal College of Surgeons of England or Edinburgh. Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be forwarded to the undersigned not later than the 27th May, 1940.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.



## Lancashire County Council.

BIDDULPH GRANGE ORTHOPÆDIC HOSPITAL.

Applications are invited from duly qualified and registered Medical Practitioners (Male or Female) for the following posts at the above Hospital, which contains 88 Beds:—

SENIOR HOUSE SURGEON. Salary £300 per annum, together with board, residence, and laundry. Candidates must have had experience in a General Hospital. Preference will be given to candidates who have had orthopædic experience.

JUNIOR HOUSE SURGEON. Salary £250 per annum, together with board, residence, and laundry. Preference will be given to candidates who have held resident hospital appointments and who are competent anæsthetists.

Both appointments will be for a period of six months in the first instance, and for a further six months at the option of the Council, but will not be renewable after that time. Duties to commence as early as possible.

Applications, with copies of two recent testimonials, should be sent, not later than the 25th May, 1940, to Dr. F. Hall, School Medical and Child Welfare Department, County Offices, Preston. GEORGE ETHERTON, Clerk of the County Council.
County Offices, Preston, May, 1940.

## Borough of Rowley Regis.

APPOINTMENT OF DEPUTY MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER (FEMALE).

Applications are invited from fully qualified Medical Women for the post of Deputy Medical Officer of Health and Assistant School Medical Officer. Salary will be £500 per annum, rising by annual increments of £25 to £700 subject to a deduction under the Local Government Officers' Superannuation Act. Further particulars of the appointment and forms of application may be obtained from the undersigned, to whom applications, together with copies of three recent testimonials, should be forwarded not later than May 27th, 1940.

FRANK ASKER, Medical Officer of Health.
Municipal Offices, Old Hill, Staffs.

## The Children's Hospital, Sheffield.

(INC.). (157 Beds.)

Applications are invited for the post of HOUSE SURGEON, vacant 1st June, 1940.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry.

Candidates (unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

## General Hospital, Nottingham.

(389 Beds.)

A RESIDENT CASUALTY OFFICER (Male or Female) is required at the above Institution. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.

Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned. Duties to commence as soon as possible.

H. M. STANLEY, House Governor and Secretary.

## General Hospital, Nottingham.

(389 Beds.)

A HOUSE SURGEON (Male or Female) is required for the AURAL DEPARTMENT containing 40 Beds and a large Out-patient Department. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.

Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned as soon as possible.

Duties to commence on or about June 1st.

HENRY M. STANLEY, House Governor and Secretary.

## Royal Manchester Children's Hospital,

PENDLEBURY, Near MANCHESTER.
(232 Beds.)

RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer. Salary £150 per annum. The appointment is for a period of six months commencing 1st July, 1940. Candidates must be unmarried and duly registered. Previous hospital experience essential.

Applications, stating age and accompanied by copies of not more than three recent testimonials, to be sent to the undersigned not later than Wednesday, 29th May, 1940. Canvassing, directly or indirectly, may disqualify.

By Order,
H. HEARDMAN, Secretary.

## Free Eye Hospital, Southampton.

The Committee require the services of a duly qualified HOUSE SURGEON for a period of six months, to commence duty immediately. Salary £150 per annum, with board, residence, and laundry.

Applications, stating date of registration, with three recent testimonials, to be sent to the Secretary by an early post.

# Northumberland County Council.

WOOLEY SANATORIUM.

APPOINTMENT OF MEDICAL SUPERINTENDENT.

Applications are invited from duly qualified registered Medical Practitioners for the appointment of Medical Superintendent of Wooley Sanatorium (180 Beds).

Applicants should have had special experience in the treatment and diagnosis of Pulmonary Tuberculosis, X-ray work, institutional management, and Occupational Therapy.

The salary to be paid will be (according to experience) within the limits of the Askwith scale (viz., £650 to £850, rising by biennial increments of £50, with emoluments—free house, coal, and light—valued for superannuation purposes at £150 per annum), agreed between associations of local authorities and the British Medical Association.

The candidate appointed will also be required to act as Tuberculosis Officer for the Hexham division of the County, and will be upon the staff of the Public Health Department, and act under the direction of the County Medical Officer. He will also be required to pass a medical examination, and to contribute to the fund established under the Local Government Superannuation Act, 1937.

The appointment will be determinable by three months' notice on either side, and the person appointed will be required to devote the whole of his time to the duties of the office.

Applications (accompanied by three recent testimonials), upon forms to be obtained from the County Medical Officer, New Senior School, Mitford-road, Morpeth, to be sent to the undersigned not later than June 15th, 1940.

C. HAROLD CARTER, Clerk of the County Council.

New Senior School, Mitford-road, Morpeth, Northumberland.

# City of Liverpool.

RESIDENT SURGICAL OFFICER.

Applications are invited for the above appointment at SMITHDOWN ROAD HOSPITAL, Liverpool, 15.

The Hospital has 1220 Beds and over 1700 operations are performed annually. The appointment offers wide experience in general surgery.

Candidates must be single, fully qualified and registered, have had at least two years' continuous hospital experience since qualification, and possess special experience in surgery—preferably holding a higher surgical degree.

Salary at the rate of £350, rising by annual increments of £25 to £450 per annum, together with the usual residential allowances. All fees received in connexion with the appointment to be handed over to the City Council.

The appointment will be made in accordance with the Standing Orders of the City Council and will be determinable by one calendar month's notice on either side.

Canvassing, either directly or indirectly, will be deemed a disqualification.

Applications, upon forms to be obtained from the Medical Officer of Health, Hospitals Department, Gordon House, Belmont-grove, Liverpool, 6, to be endorsed "Resident Surgical Officer," and returned to the undersigned so as to be received not later than 10 A.M. Thursday, 30th May, 1940.

W. H. BAINES, Town Clerk.

Municipal Buildings, Dale-street, Liverpool, 2, May, 1940.

# Hull Corporation Health Department.

BEVERLEY ROAD HOSPITAL. (400 Beds.)

ASSISTANT MEDICAL OFFICER.

Applications are invited for the above appointment from registered Medical Practitioners, who must be single, of either sex, under the age of forty years. Duties mainly medical. Salary £350 per annum, rising by annual increments of £25 to £450 per annum, together with board, residence, and laundry.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937.

The Hospital forms part of the local Emergency Medical Scheme as a Casualty Clearing Hospital, and is equipped with X-ray and Ultra-violet Light Departments.

Forms of application may be obtained from, and returned duly completed to, the Medical Officer of Health, Guildhall, Hull, not later than 10 A.M. on Monday, 3rd June, 1940.

# Hull Corporation Health Department.

TEMPORARY ASSISTANT MEDICAL OFFICER OF HEALTH (Woman).

Applications are invited from duly qualified Medical Women, under forty years of age and of not less than three years' standing in their profession, for the above temporary post.

Preference given to candidates possessing the Diploma in Public Health or equivalent qualification.

Salary £600 per annum, rising by annual increments of £25 to £700 per annum.

Duties consist mainly of work in the School Medical Department.

Application forms may be obtained from, and should be returned to, the Medical Officer of Health, Guildhall, Hull, not later than Thursday, 6th June, 1940.

# Royal Eye and Ear Hospital, Bradford.

HOUSE SURGEON (Male or Female) wanted immediately for EAR, NOSE, AND THROAT DEPARTMENT. Salary £180, with board, residence, and laundry.

Applications, stating age, experience, and copies of testimonials, to be forwarded to the undersigned.

F. BRIGGS, Secretary-Superintendent.

# Cannock Urban District Council.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

The above Council invites applications from registered Medical Practitioners for the above-named post. The salary will be at the rate of £550 per annum, rising, subject to satisfactory service, by annual increments of £25 to £700 per annum, plus a travelling allowance of £30 per annum. Applicants must have had at least three years' experience in the practice of their own profession and special experience of practical Midwifery, Antenatal, and Maternity and Child Welfare work, and hold a Diploma in Public Health.

The person appointed will be required to devote the whole of his or her time to the duties which will be performed under the direction of the Medical Officer of Health, and will consist chiefly of School Medical and Maternity and Child Welfare work, together with such other duties relating to public health as may be required.

The appointment is subject to the approval of the Board of Education and will be determinable by two months' notice on either side.

The post is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

Sealed applications, on forms to be obtained from th undersigned (upon receipt of a stamped addressed foolscap envelope), accompanied by copies of three recent testimonials and endorsed "Assistant Medical Officer of Health," must be delivered to the undersigned not later than Tuesday, 28th May, 1940.

Canvassing, directly or indirectly, will be deemed a disqualification. WM. C. SPEEDY, Clerk of the Council.

Council House, The Green, Cannock, 10th May, 1940.

# The King Edward VII Welsh National

MEMORIAL ASSOCIATION.

Applications are invited from duly registered Medical Practitioners (Male or Female) for the post of AREA ASSISTANT TUBERCULOSIS OFFICER.

The appointment is temporary and tenable for the duration of the war.

Commencing salary £500 per annum.

Preferably candidates should have had at least six months' special training in tuberculosis, with eighteen months' experience in general clinical work, of which six months should have been spent in a hospital not confined to the treatment of tuberculosis.

Knowledge of Welsh desirable.

Applications, stating age, qualifications, experience, &c., together with copies of three recent testimonials, should reach the undersigned not later than Tuesday, May 28th, 1940.

D. A. POWELL, Principal Medical Officer.

Memorial Offices, Cathays Park, Cardiff.

# The Royal Alexandra Hospital for

SICK CHILDREN, BRIGHTON.

(100 Beds.)

HOUSE PHYSICIAN (Male) required. Salary at the rate of £150 per annum, with board, lodging, and laundry. No canvassing allowed. The Hospital is recognised for the D.C.H. Diploma and the M.D. Examination, Branch 1. To commence duties at the end of June.

Applications in writing, accompanied by testimonials, should be sent to P. F. SPOONER, Secretary, at the Hospital, Dyke-road, Brighton.

10th May, 1940.

# Kent and Sussex Hospital,

TUNBRIDGE WELLS.

(210 Beds)

Applications are invited for the post of HOUSE SURGEON and CASUALTY OFFICER. Salary £150–£200 per annum with board residence and laundry in the Hospital.

The Hospital includes the following Departments: Medical, Surgical, Ear, Nose and Throat, Ophthalmic, Orthopædic and Fracture Clinic, Gynæcological, X-Ray and Electro-Therapeutic, Massage, Pathological, Venereal Diseases, &c.

The successful candidate will be required to take up duties on Saturday, 1st June, 1940.

Applications, stating qualifications, together with Certificate of Registration and copies of not more than three recent testimonials, should be sent to the undersigned as soon as possible.

TOM B. HARRISON, Superintendent-Secretary.

15th May, 1940.

# The Prince of Wales's Hospital,

Greenbank-road, PLYMOUTH.

(Formerly the South Devon and East Cornwall Hospital).

(254 Beds.)

Applications are invited for the post of HOUSE SURGEON. Salary £120 per annum, with board, residence, and laundry.

Appointment is tenable for six months and is subject to renewal. Duties to commence 5th June.

The Hospital is officially recognised for the surgical practice required before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.

Applicants must be registered under the Medical Acts and be members of either the Medical Defence Union or the London Counties Medical Protection Society.

Applications, stating age and qualifications, with copies of three recent testimonials, to reach the undersigned by 24th May.

ARTHUR R. CASH, General Superintendent.

4th May, 1940.

## Essex County Council.

LADY ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH.

The County Council of the Administrative County of Essex invite applications for the above appointment from duly qualified registered Medical Practitioners holding a Diploma of Public Health and not over forty-five years of age.

The officer appointed must have had experience as a Medical Officer of an antenatal clinic.

The minimum commencing salary will be at the rate of £500 per annum, and will rise, subject to satisfactory service, by annual increments of £25 to £700 per annum, and travelling expenses will be allowed. Similar service with another local authority will be reckoned in calculating the commencing salary of the officer appointed.

The appointment will be held by the successful candidate during the pleasure of the Council, and will be determinable by the officer by three months' notice in writing.

The person appointed will be required to pass a medical examination and to contribute to the appropriate Superannuation Fund.

The appointment will be subject to the Council's Sick Pay Rules and Regulations, a copy of which will be forwarded on application.

Applications on the prescribed form, obtainable from the undersigned, accompanied by copies of not more than three testimonials (which will not be returned), should be enclosed in an envelope marked "Appointment of Lady Assistant County Medical Officer of Health," addressed to me and delivered at the County Hall, Chelmsford, not later than 10 A.M. on Monday, the 27th day of May, 1940.

E. S. HOLCROFT, Clerk of the County Council.

County Hall, Chelmsford, 7th May, 1940.

## Royal Hospital, Sheffield.

(Teaching Hospital of 422 Beds.)

Applications are invited from either sex for the post of Whole-time CLINICAL ASSISTANT in the Medical Service of this Hospital. Salary £300 per annum, non-resident. Appointment in the first instance for one year.

W. H. BOOTH, Superintendent.

## Royal Hospital, Sheffield.

HOUSE SURGEONS (Male or Female) for E.N.T. and OPHTHALMIC DEPARTMENTS on 1st May. Salaries £80 and £120 respectively.

Apply Superintendent.

## County Council of Essex and Urban

DISTRICT COUNCIL OF THURROCK.

APPOINTMENT OF LADY ASSISTANT COUNTY MEDICAL OFFICER AND ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited for the undermentioned appointments :—

| | Minimum commencing salary per annum. |
|---|---|
| | £ |
| ASSISTANT COUNTY MEDICAL OFFICER | 140 |
| ASSISTANT MEDICAL OFFICER OF HEALTH for the Urban District of Thurrock .. .. | 360 |
| | £500 |

Applicants must be duly qualified Medical Practitioners, with special experience in Obstetrics, hold a Diploma in Public Health, and should not be over forty-five years of age, but a candidate's period of service in the late War will be deducted.

The person appointed will be required to pass a medical examination and to contribute to the appropriate Superannuation funds established by each authority.

The total salary of the person appointed will rise, subject to satisfactory service, by annual increments of £25 to £700 per annum. If the person appointed undertakes on behalf of the Urban District Council of Thurrock attendance at a Women's Welfare Clinic, an additional £12 12s. per annum will be payable to her by the District Council. A travelling allowance of £9 per annum is payable by the Urban District Council of Thurrock.

The appointment to the Office of Assistant County Medical Officer will be subject to the Sick Pay Rules and Regulations of the County Council, a copy of which will be forwarded on application.

Applications on the prescribed form (obtainable from the undersigned E. S. Holcroft), should be delivered at the County Hall, Chelmsford, not later than Monday, the 27th day of May, 1940.

E. S. HOLCROFT, Clerk of the County Council.

A. E. POOLE, Clerk to the Urban District Council of Thurrock.

County Hall, Chelmsford, 7th May, 1940.

## Sussex Maternity and Women's

HOSPITAL, BRIGHTON.

RESIDENT HOUSE SURGEON (Male) required. Salary at the rate of £130 per annum, board and washing found, and £40 per annum allowed for travelling expenses. Good experience in midwifery afforded. No canvassing allowed. The successful candidate will be required to enter on his duties towards the end of June.

Applications in writing, accompanied by testimonials, should be sent to PERCY F. SPOONER, Secretary, at the Hospital, Buckingham-road, Brighton.

3rd May, 1940.

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## Bootle General Hospital,

LINACRE LANE, BOOTLE, LIVERPOOL 20.

HOUSE PHYSICIAN.
HOUSE SURGEON.
CASUALTY OFFICER.

Applications are invited for the above posts from the 1st June next. The salary attached to each post is £150 per annum, with board, residence, and laundry.

Applicants must be duly qualified and registered under the Medical Act.

Applications, with copies of testimonials, should reach me as soon as possible.

A. J. COOPER, Secretary-Superintendent.

## West Suffolk General Hospital,

BURY ST. EDMUNDS.
(112 Beds.)

Applications are invited for the post of HOUSE SURGEON. Duties include charge of the Surgical Beds. Salary £150 per annum, with board, residence, and laundry. Applicants must be registered Practitioners.

Applications, stating age, experience, and nationality, with copies of three recent testimonials, to be sent to the Secretary. Six months' appointment.

May 6th, 1940.

## Royal Halifax Infirmary.

Hospital recognised by the Royal College of Surgeons (England).

Wanted, a SECOND HOUSE SURGEON, Male or Female. Candidates must be duly qualified and registered. Salary £175 per annum, with residence, board, and laundry.

Also wanted, a CASUALTY OFFICER, Male or Female, in charge of Fracture Clinic. Candidates must be duly qualified and registered. Salary £150 per annum, with residence, board, and laundry.

Salary in both cases to include all services required in connection with Paying Patients' Ward.

The Resident Staff consists of Resident Surgical Officer, House Physician, two House Surgeons, and Casualty Officer. The Hospital contains Maternity and Paying Patients' Blocks. Also a Pathological Department, a large Eye, Ear, Nose, and Throat Department, Radiological Department, and Radium Clinic.

Particulars of the duties may be obtained from the undersigned, to whom applications, stating age and nationality, together with testimonials, should be sent.

29th April, 1940. A. MIDGLEY, Secretary.

## Bexhill Hospital, Bexhill-on-Sea.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male or Female). The appointment is for a period of six months. Salary £150 per annum, with board, residence, and laundry.

The successful applicant will be required to commence duty early in July.

Applications, stating age, nationality, experience, and qualifications, accompanied by three recent testimonials, should be sent to the undersigned before 31st May, 1940.

13th May, 1940. P. E. WINDO, Secretary.

## The Royal Liverpool Children's

HOSPITAL.

Applications are invited for the following appointments, now vacant :—

RESIDENT MEDICAL OFFICER and RESIDENT SURGICAL OFFICER at the HESWALL (COUNTRY) BRANCH. Salary in each case at the rate of £120 per annum.

The appointments will be for the period ending September 30th, 1940.

Applications, with copies of recent testimonials and the name of a referee, should be sent to the Secretary, Royal Liverpool Children's Hospital, Myrtle-street, Liverpool, 7, by an early post.

## Preston and County of Lancaster

ROYAL INFIRMARY. (404 Beds.)

The Board of Management invite applications for the post of HOUSE SURGEON to the EYE and EAR, NOSE, AND THROAT DEPARTMENTS now vacant. Duties in Special Wards and Clinics and some Casualty work.

The post is open to Women Practitioners. Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, accompanied by copy testimonials, to be forwarded immediately to—

JOHN GIBSON, Superintendent and Secretary.

Royal Infirmary, Preston, 13th May, 1940.

## Grimsby and District Hospital.

(189 Beds.)

Applications are invited for the post of HOUSE PHYSICIAN. Remuneration £175 per annum, with board, residence, &c. Candidates must be fully qualified and registered. Duties to commence immediately. Appointment for six months, option of renewal.

Applications, stating age, qualifications, experience, and not more than three testimonials, to be forwarded to the undersigned at once.

H. B. COATES, Secretary-Superintendent.

10th May, 1940.

## Essex County Council.

OLDCHURCH COUNTY HOSPITAL, ROMFORD.

APPOINTMENT OF MEDICAL STAFF.

The County Council of the Administrative County of Essex invite applications from registered Medical Practitioners for the under-mentioned appointments at the Oldchurch County Hospital, Romford.

The Hospital is a general hospital with accommodation for approximately 860 patients, is equipped with all modern departments, and has a visiting staff of surgeons.

ASSISTANT RESIDENT SURGEON.

Salary at the rate of £350 per annum, rising, subject to satisfactory service, by annual increments of £25 to £450 per annum, plus residential emoluments valued at £160 per annum.

JUNIOR RESIDENT MEDICAL OFFICER (SECOND ANÆSTHETIST).

The appointment will be for a period of one year and the salary payable will be at the rate of £250 per annum, plus residential emoluments valued at £160 per annum. Candidates for the appointment must have had considerable experience in the administration of anæsthetics.

The persons appointed will be required to pass a medical examination and in the case of the Assistant Resident Surgeon to contribute to the appropriate Superannuation Fund of the County Council.

The appointments will be subject to the Council's Sick Pay Rules and Regulations, a copy of which will be forwarded on application.

Applications, on the prescribed forms obtainable from the undersigned, should be addressed to me and delivered at the County Hall, Chelmsford, not later than 10 A.M. on Monday, 3rd June, 1940.

E. S. HOLCROFT, Clerk of the County Council.

County Hall, Chelmsford, 14th May, 1940.

## Barbados General Hospital.

WANTED.

A duly qualified Medical Practitioner as HOUSE SURGEON of the Barbados General Hospital (284 Beds). A man who has had experience in administering Anæsthetics preferred.

Salary £325 per annum, with quarters fully furnished for a single man, free water, lighting allowance, and no local rates.

The appointment, which is renewable, will be for either three, two, or one-and-a-half years, subject to three months' notice on either side to terminate the engagement. Candidates must state whether they wish to engage for three, two, or one-and-a-half years.

First-class passage direct to Barbados will be paid by the Hospital Board for a full term of service, a proportionate part to be refunded in case of service for a shorter period.

Applications, accompanied by a photograph, a medical certificate of physical fitness at the time of application, and recent professional and personal testimonials stating age and date of graduation, will be received not later than 15th June, 1940, and should be addressed to the Medical Superintendent, General Hospital, Barbados, B.W.I., from whom further particulars may be obtained.

Canadian graduates must hold qualifications registrable in England.

Candidates holding a United States degree must be registered in the State of New York.

By order,
W. GOODMAN, Secretary.

## The Chester Royal Infirmary.

(Normal capacity 225 Beds.)

Applications are invited for the post of HOUSE PHYSICIAN (Male or Female) and Two HOUSE SURGEONS (Male or Female).

The appointment of House Physician is approved in connexion with the M.D. Examination of the University of London. The appointment of House Surgeons is approved in connexion with the M.S. (London University) and the F.R.C.S. (Eng.) Examinations. Salary £150 per annum, with board, lodging, and laundry.

Application forms may be obtained from—
W. H. GRACE, M.D., F.R.C.P.,
Hon. Secretary, Medical Committee.

## Royal Sheffield Infirmary and HOSPITAL.

THE ROYAL INFIRMARY, SHEFFIELD.
(476 Beds.)

Applications are invited for the undermentioned resident posts:—

(a) OPHTHALMIC HOUSE SURGEON.
(b) HOUSE SURGEON TO EAR, NOSE, AND THROAT DEPARTMENT.
(c) HOUSE SURGEON.

The salary attached to (a) varies from £80 to £120 per annum according to experience, and (b) and (c) £80 per annum, rising to £100 per annum after six months' service, with board and residence in each case.

The posts are tenable for the period of six months commencing 1st May, 1940.

Applications, with copies of recent testimonials, to be forwarded to the undersigned forthwith.

H. KINGSLEY PEARCE,
General Superintendent and Secretary.

29th April, 1940.

## North Riding of Yorkshire County COUNCIL.

NORTHALLERTON EMERGENCY HOSPITAL.

MEDICAL SUPERINTENDENT.

The services of a Medical Superintendent, preferably with surgical experience, will shortly be required for the above hutted hospital, which, at present, comprises 300 Beds. The appointment will be for the duration of war and the salary offered is £900 per annum, with free board and lodging, or an allowance at the rate of £100 per annum in lieu thereof.

Applicants should have knowledge of hospital administration. Applications giving details of age, present appointment, qualifications, and experience of hospital administration, accompanied by copies of not more than three recent testimonials, must be forwarded to reach the undersigned not later than Saturday, 1st June, 1940.

H. G. THORNLEY, Clerk of the County Council.

County Hall, Northallerton, 14th May, 1940.

## County of Dorset

APPOINTMENT OF TEMPORARY ASSISTANT COUNTY MEDICAL OFFICERS.

The Dorset County Council invite applications for two appointments as above from Registered Medical Practitioners who are either not less than 45 years of age or ineligible for Service in H.M. Forces, in which latter case full reasons should be stated.

The candidates appointed will be required to devote their whole time to the service of the County and to act under the direction of the County Medical Officer and perform such duties in connection with the Council's Health Services as may be required.

In one case duty at the Council's Sanatorium at Parkstone will be included, and a knowledge of Radiology and the treatment of Tuberculosis is therefore necessary. In the other, the work will be mainly in connection with the School Medical Service. The possession of a car is essential, and the applicant will be required to reside in or near Dorchester.

The appointments will not exceed a period of two years in the first instance, and will be subject to three months' notice on either side, and to medical fitness.

The salaries will be at the rate of ten guineas per week and travelling allowance on the County Scale.

Applications, stating age, qualifications, date available, and full details of past experience, accompanied by not more than three recent testimonials or references, should be forwarded as soon as possible.

Canvassing in any form will be a disqualification.

C. P. BRUTTON, Clerk of the County Council.

County Offices, Dorchester, 10th May, 1940.

## County of Dorset

MEDICAL SUPERINTENDENT

The Dorset County Council invite applications for the above appointment at the PORTWEY HOSPITAL, WEYMOUTH, which is an upgraded Institution of approximately 240 beds under the Ministry's Emergency Hospital Scheme.

Applicants should be Registered Medical Practitioners who are either not less than 45 years of age or ineligible for Service in H.M. Forces, in which latter case full reasons should be stated.

The duties will be largely clinical in nature but will include the usual administrative responsibility attaching to such posts, and the officer appointed will be required to devote his whole time to the service of the County and not engage in private practice.

Applicants should have had recent clinical experience in hospital, and the possession of the higher qualifications in medicine or surgery will be considered an advantage.

The appointment will not exceed a period of two years in the first instance, will be subject to three months' notice on either side, to medical fitness, and is non-resident.

The salary will be at the rate of £800 per annum.

Applications, stating age, qualifications, date available, and full details of past experience, accompanied by not more than three recent testimonials or references, should be forwarded as soon as possible.

Canvassing in any form will be a disqualification.

C. P. BRUTTON, Clerk of the County Council.

County Offices, Dorchester, 10th May, 1940.

## Taunton and Somerset Hospital.

(132 Beds.)

HOUSE PHYSICIAN required (male or female). Two House Surgeons also in residence. Salary at the rate of £150 per annum, with board, lodging, and laundry, and the retention of certain fees.

Applications, with copies of not more than three recent testimonials, to F. J. J. STACEY, Secretary, Taunton & Somerset Hospital, Taunton, Somerset.

## Winterton Emergency Hospital.

(Military Wing.)

HOUSE SURGEONS (Male or Female).

Applications are invited from duly registered Medical Practitioners for the above appointments.

Salary £200 per annum, plus £100 per annum in lieu of residential emolument.

Applications, stating qualifications, age, &c., accompanied by copies of two recent testimonials, to be forwarded to the Medical Superintendent, Winterton, Sedgefield, Stockton-on-Tees, at once.

## County Borough of Huddersfield.

ST. LUKE'S HOSPITAL.

RESIDENT MEDICAL OFFICER.

Applications are invited for the above appointment. The work is chiefly medical, though the Hospital has been equipped as an emergency hospital. Salary £230 per annum, with board, residence, and laundry.

Applications, stating age, training, qualifications, and experience, should be forwarded to the Medical Officer of Health, Huddersfield.

SAMUEL PROCTER, Town Clerk.

Town Hall, Huddersfield.

## The Lawn, Lincoln.

ASSISTANT MEDICAL OFFICER required. Medical Woman, with Mental Hospital experience or working for D.P.M. preferred. Salary £300 per annum, with emoluments. Apply, Medical Superintendent, The Lawn, Lincoln.

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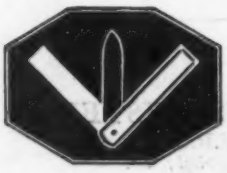

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A concentrated preparation of the natural uncoagulated juice of liver, in combination with other blood and nerve-forming substances. Highly recommended for the treatment of Anæmia in all its forms. Usefully prescribed for:

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"LIVEROID" *is pleasant to take and can be given in the form of an appetising beverage.*

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Gargle and Mouthwash

RECKITT AND SONS, HULL AND LONDON. (PHARMACEUTICAL DEPARTMENT, HULL)

WAR-TIME practice, both civil and military, throws in great relief the need for a true physiological tonic. This is interpreted in day-to-day practice as the necessity for a liquid food which completely meets every metabolic need, is readily accepted by the patient and is immediately assimilated.

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M302

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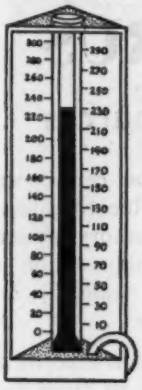

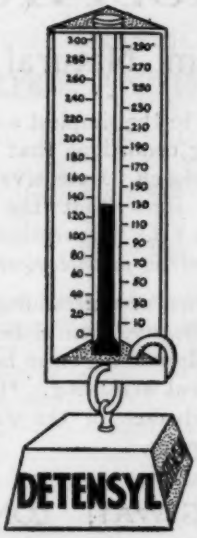


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Gentle and regular reduction of Arterial Tension

No contra-indications

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AMONG the many and diverse analgesics which have been evolved by modern chemical research, acetyl-salicylic acid retains its reputation as one of the safest and most effective. Its tendency to liberate salicylic acid—the irritant properties of which are well known to physicians—has, however, caused many to hesitate to employ it as widely as it deserves. Exhaustive trial in hospital and private practice proves that "Alasil" definitely solves the problem of administering acetyl-salicylic acid in an effective form, being free from the risk of irritating the stomach or bowels or of causing general reactions.

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M260

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**2-5 times the therapeutic activity of chrysarobin.** For application in suitable base, as a paint, cream or ointment. Special literature available on request. "Derobin" is manufactured at Greenford and issued in glass tubes of 1 gram, 1/6; 10 grams, 7/6.

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**no increase in price**

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**IN THE TREATMENT OF NASOPHARYNGEAL CONDITIONS**

**In inflammatory and infective conditions of the nasopharynx the decongestive and antiseptic properties of 'Endrine' have been proved over a period of years.**

**'Endrine' shrinks and soothes inflamed tissue, promotes sinus drainage, relieves congestion and improves breathing.**

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## CHLOROPHYLL TABLETS

(a chlorophyll-beta carotene combination)

**EYE STRAIN from the "black-out," and night-blindness**

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**BODILY STRAIN from unaccustomed work, night work, overwork . . .**

**These are the three most frequent complaints in modern medical practice, and all can arise from vitamin A deficiency. A supplementary daily ration of vitamin A or pro-vitamin A (beta carotene) therefore helps the sufferer to cope with the increased strain of living and to adapt himself to unwelcome changes. Night vision in particular is improved and progressively a better general condition is achieved.**

**Now available in tins of 80, 250 and 1000 tablets.**

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## An Extract of Adrenal Cortex for the treatment of Addison's Disease

**and other conditions**

EUCORTONE is an extract of adrenal cortex, containing the hormone, cortin. It is highly successful in Addison's disease. Particularly striking in its rapid restoration of appetite, weight, strength, and feeling of well-being.

Successes have now been reported from the use of adrenal cortical extract in various other conditions, including neurasthenia, psoriasis, and hyperemesis gravidarum.

IN ACUTE TOXÆMIA OF BURNS—*Lancet*, 1936, June 20th, p. 1400.

Three cases of acute toxæmia from burns were treated with EUCORTONE and recovered. In two of the cases, death within a short time could have been predicted almost certainly. In the investigators' experience of these conditions, recovery under any methods of treatment previously used had not occurred. The investigators attributed the recovery in these cases with every confidence to EUCORTONE.

EUCORTONE is biologically standardized on adrenalectomized animals. **It has now been further purified and concentrated.** It is practically free from nitrogen and adrenaline, contains no irritant or toxic substance, and is sterile. **One c.cm. of the extract is equivalent to 75 grams of adrenal cortex or about 110 grams of the whole gland.**

EUCORTONE is administered intramuscularly, intravenously (in crises), and subcutaneously (in chronic cases).

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A SAFE AND EFFICIENT GERMICIDE FOR ALL PURPOSES

***PLEASANT AND ECONOMICAL IN USE***

**HEWSOL** is non-poisonous, but has a high bactericidal value (Rideal-Walker Carbolic Acid Co-efficient : 5·0).

It has no caustic action and its efficacy is much greater than that of the carbolic type of disinfectants in the presence of organic matter.

In pint bottles, ½ gallon Winchester quarts, 1 gallon tins

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*In Pregnancy*

During pregnancy Radiostoleum should be administered as a routine, it having been stated (*Lancet, March 5th*, 1938, *p.* 565) that '. . . with so many obstetric disasters attributable to lack of vitamin A it seems reasonable — until the contrary is proved — to ensure that pregnant women receive a sufficiency of that vitamin.'

Further, the danger of an inadequate supply of Vitamin D and the consequent deficient absorption of calcium is perhaps more real than is generally recognised.

Radiostoleum is thus indicated for administration during pregnancy in all circumstances.

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# 'PEPULE' PEPSIN

**gr. 1 and gr. 3.**

A convenient and accurate method of administering pepsin.

**Supplied in bottles containing 25 and 100.**

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REGULARITY of defæcation does not necessarily represent a healthy bowel condition. Many individuals who boast of their regularity may still suffer from fragmentary elimination. In these persons with their incomplete once-a-day habits the rectal neuromuscular tension is scarcely ever normal. This results in headache, lassitude and other symptoms usually ascribed to intestinal toxæmia. Sound bowel function calls for completeness of evacuation as well as regularity. In addition the movement must be easy. This healthy condition can be achieved safely and effectively by a dose of ENO'S 'FRUIT SALT' taken each morning before breakfast. A distinguished pharmacologist has recently written: "A saline draught in the morning is trustworthy and rapid."

ENO'S 'FRUIT SALT' does not interfere with the passage of chyme through the small intestine, and it has no disintegrating effect on the delicate intestinal mucus. Its laxative action is dependent only on the natural process of osmotic diffusion, as a consequence of which there is sufficient bulk in the alimentary canal to stimulate peristaltic action. ENO'S 'FRUIT SALT' does not act by irritation of the intestinal nerve-endings.

*Samples and literature available on request*

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in physicke mallowes haue
much reputation
the very name of mallow seemes
to sound,
the roote thereof will giue a kind
purgation
By them both men and women
good haue found.

"The decoction used in clysters is good against the roughness and fretting of the guts, bladder and fundament. The roots of the Veruaine-mallow do heale the bloody flix and inward burstings, being drunke with wine and water, as Dioscorides and Paulus Aegineta testifie." So extols Gerarde the virtues of mallow in his herbal of 1636.

The demulcent action of mallow as an intestinal corrective finds its modern counterpart in Agarol brand Compound, the original mineral oil and agar-agar emulsion with phenolphthalein. With firm gentleness, Agarol accomplishes its purpose of easy, painless evacuation closely resembling the normal function. Safe and convenient to use under all conditions, Agarol not only lubricates the intestinal tract and softens its contents, but gently stimulates the colon to renewed activity.

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# AGAROL for constipation

# CONTRAMINE

*In the Treatment of Chronic Rheumatism*

It has been demonstrated repeatedly by clinical trials and in the ordinary routine of general practice that Contramine is an exceedingly useful product for the treatment of chronic rheumatism, whether it is of gonococcal origin or not. Chronic cases which have withstood other forms of treatment have shown marked improvement after a series of injections of Contramine.

A physician reporting upon his experience in the use of Contramine in a case of rheumatism which he suspected was subsequent to gonococcal infection stated that he had '. . . marvellous results, the rheumatism clearing up completely'. Contramine is supplied in ampoules of 1 c.c. and 2 c.c. containing the drug in sterile solution for intramuscular injection.

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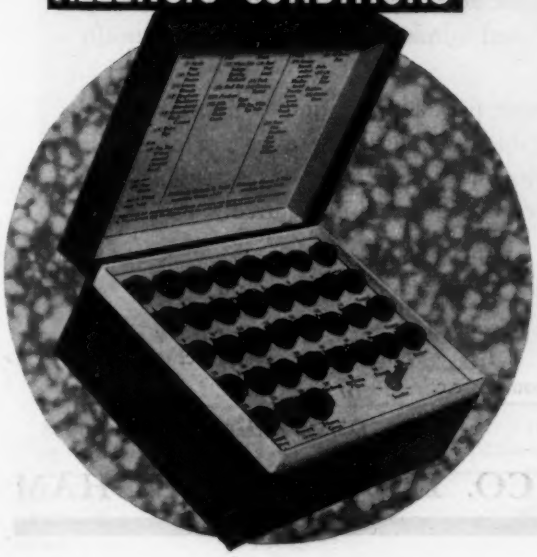

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90 kinds of antigens available.

Special tests and antigens to order.

To save the physician's time and trouble in testing for sensitivity to proteins, the solutions in this outfit are arranged in three primary groups, each containing groups of individual preparations. For each group there is a test solution. If one of the primary solutions provokes a reaction the investigation is limited to the secondary solutions of that group and afterwards to the members of the secondary group which produce a positive result.

Descriptive booklet giving full particulars of outfits for diagnosis, prophylaxis and treatment will be sent on request.

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TRADE MARK **CORVOTONE** BRAND

**Pyridine-β-carboxylic acid diethylamide (Nikethamide)**

## CARDIAC AND RESPIRATORY STIMULANT

**CORVOTONE** is a 25 per cent. solution of pyridine-β-carboxylic acid diethylamide (also known as nicotinic acid diethylamide and nikethamide) supplied in stoppered bottles for oral administration and in hermetically sealed ampoules for injection.

**CORVOTONE** is one of the most potent analeptics, is non-toxic, and does not give rise to any undesirable reactions. The dose is 2 c.c. orally or from 2 to 4 c.c. by subcutaneous injection. Larger doses may be given by intravenous injection when a very rapid action is required.

**For oral administration:**

Corvotone Oral, Bottle of ½ fl. oz. (with pipette) - - 3/6

**For injection:**

Corvotone, Box of 3 ampoules 2 c.c. - - 2/3 Box of 6 ampoules 2 c.c. - - 4/-

Box of 3 ampoules 5 c.c. - - 5/-

*Literature sent upon request* *Discount to the medical profession*

## BOOTS PURE DRUG CO. LTD., NOTTINGHAM

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*Convenient and dependable in the prophylaxis of measles—*

## IMMUNE GLOBULIN (Human)

### *Lederle*

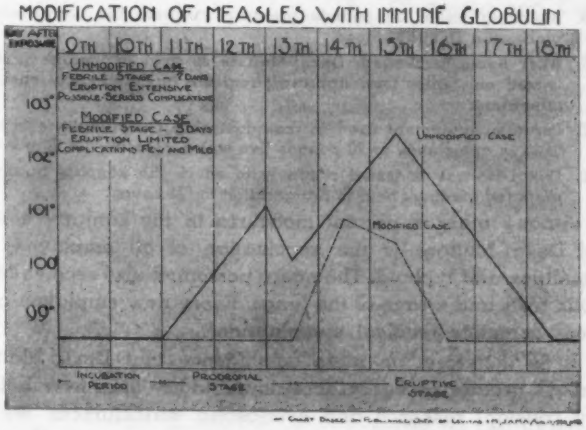
CONCERN over the complications of measles may be greatly lessened by the use of Immune Globulin (Human). When the complications of this disease, especially bronchopneumonia, are removed, measles is reduced to the level of a mildly inconvenient episode in the child's life. A single injection of Immune Globulin will generally produce a modified measles which is not apt to be followed by complications. The injection should be given a few days after intimate exposure to the infection.

For a child of two years or less, inject 2 cc.; for older children add 0.25 cc. for each year above the age of three to a maximum of 4 cc.

Local or febrile reactions are negligible.

"Immune Globulin (Human) *Lederle*" is distributed in 2 cc. and 10 cc. vials.

MODIFICATION OF MEASLES WITH IMMUNE GLOBULIN

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# The Unseen Quality of MEAD'S DEXTRI-MALTOSE

DEXTRI-MALTOSE is no ordinary carbohydrate. Step by step, its manufacture is surrounded with every care and precaution, evolved through long years of experience and research.

Unseen by physician and patient are numerous safety factors, the practical effect of which nevertheless is present in every package of Dextri-Maltose. To name a few of these:

1. Dextri-Maltose is sampled for bacteriological testing before drying.
2. Steam at 20 pounds pressure sterilizes Dextri-Maltose filter presses which remove proteins, fat, and indigestible residue.
3. Blood agar tests are made to insure absence of hemolytic cocci.
4. Dextri-Maltose containers are paper-wrapped to prevent the cans from accumulating dust.
5. Bacteriological tests are made in a steam-washed plating room, the air of which is filtered.
6. Dextri-Maltose containers are automatically filled and closed without human handling of the product.
7. The direct microscopic test which Dextri-Maltose receives is but one kind of 6 microbiological tests which it must routinely meet.
8. The interiors of the large converters in which Dextri-Maltose is processed are thoroughly scrubbed prior to steam sterilization.
9. Steaming under 20 pounds pressure sterilizes the converters for processing Dextri-Maltose.
10. After being packaged, Dextri-Maltose is held in storage and released only after final approval from the bacteriological checking laboratory.
11. Portable equipment used in manufacturing Dextri-Maltose is sterilized in autoclaves at 20 pounds live steam pressure for 20 minutes.
12. Dextri-Maltose is tested routinely to check the keeping quality of prepared feedings held in refrigeration for 24 hours.

Among other important measures in the sanitary control of Dextri-Maltose is the vaccination of all employees for smallpox and typhoid. The entire personnel also receive Mantoux tests and x-rays of the lungs. Every new employee must pass complete medical examinations.

It is, therefore, no mere coincidence that Dextri-Maltose enjoys greater pediatric acceptance today than ever before. By constant research and everlasting watchfulness, we try to keep pace with pediatric progress, and we put forth every human effort to merit the continued respect and confidence of the medical profession.

*The True Measure of Economy Is Value*

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# STREPTOCIDE

(Sulphanilamide Evans)

## For the Chemotherapy of Bacterial Infections

**Streptocide is available in the following five forms :—**

1. Streptocide Powder
2. Streptocide Tablets
3. Streptocide Solution
   Containing 2½% Streptocide in a non-toxic solvent
4. Streptocide Ointment
5. Streptocide Cream
   The Ointment and Cream contain in solution 5% Streptocide. The base used is non-toxic and neutral

### INDICATIONS

#### 1. Tablets, Powder and Solution

Endocarditis (Acute) when due to Hæmolytic Streptococci
Erysipelas
Fractures
Gas-Gangrene Infections
Gonococcal Infections
Mastoiditis
Meningococcal Meningitis
Otitis Media
Peritonsillitis. (Quinsy)
Phlegmonous Tonsillitis
Post-Operative and Traumatic Streptococcal Septic Wounds
Puerperal Septicæmia
Puerperal Thrombophlebitis
Scarlet Fever
Septicæmia following Abortion
Streptococcal Empyema
Streptococcal Meningitis
Streptococcal Peritonitis
Streptococcal Pharyngitis
Streptococcal Purulent Arthritis
Tonsillitis
Wound Infections

#### 2. Ointment and Cream

Burns
Cellulitis
Cytolysis
Eczema
Erysipeloid and Scarlatinal Rashes
Impetigo
Infected Wounds
Lupus Erythematosus
Post-Scarlatinal Rhinitis
Ulceration
Varicose Ulcers
Whitlow

**Packages**

| | |
|---|---|
| Tablets 0.25 grm. and 0.5 grm. | Bottles of 25, 100, 250, 500, 1,000 and 5,000 |
| Powder | Boxes of 12 x 0.25 gramme powders |
| | ,, ,, 12 x 0.5 gramme powders |
| | Bottles of 1 oz., 4 oz. and 1 lb. |
| Solution | Boxes of 6 x 5 cc. Ampoules |
| | ,, ,, 25 x 5 cc. Ampoules |
| Ointment | In 2 oz. and 1 lb. containers |
| Cream | In 2 oz. and 13 oz. containers |

**Prices, Technical Literature and Samples will be sent on application to Medical Department, 56, Hanover Street, Liverpool**

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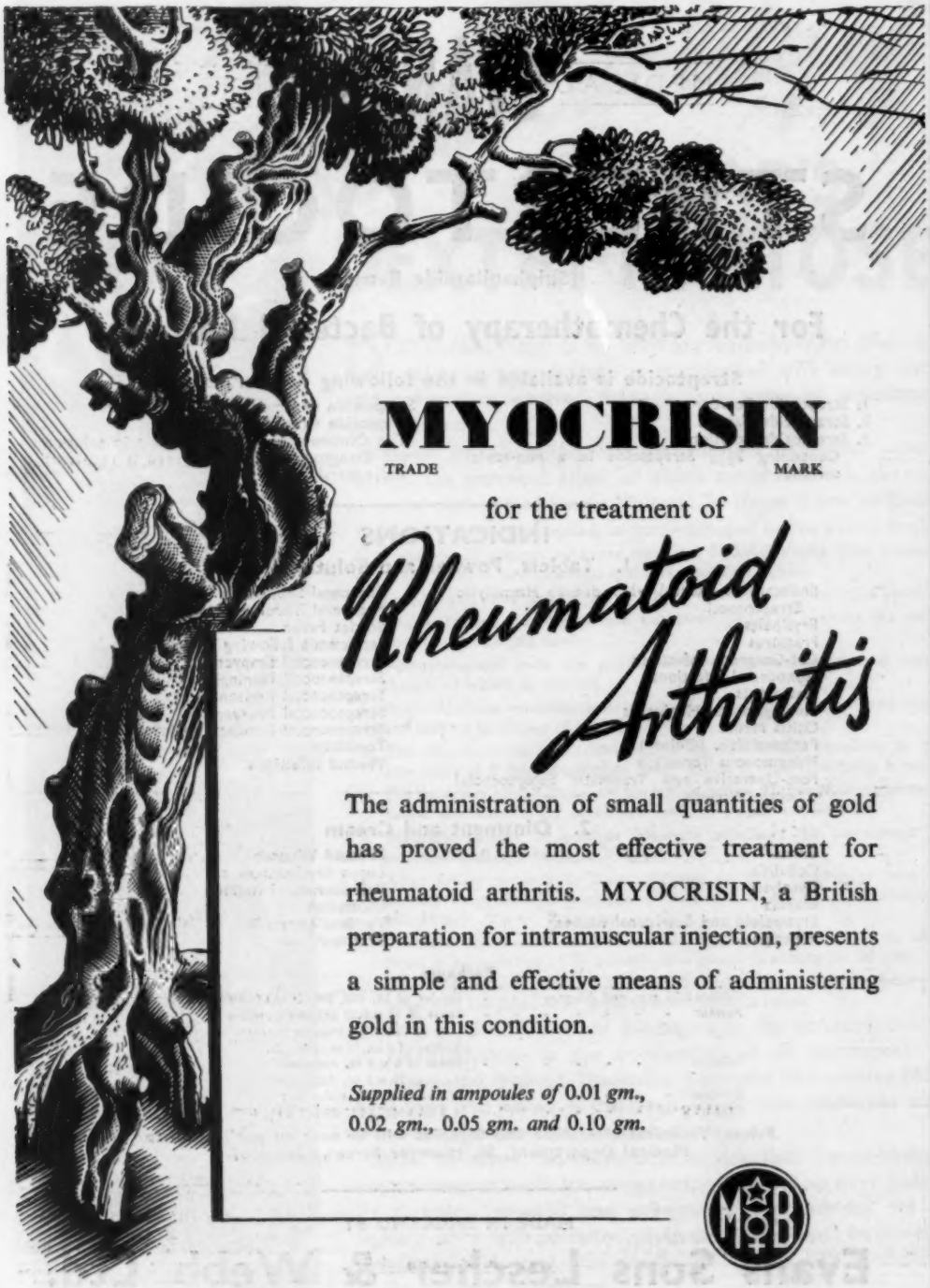

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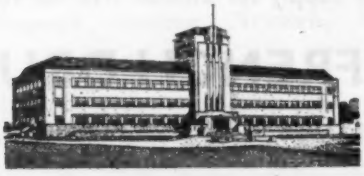

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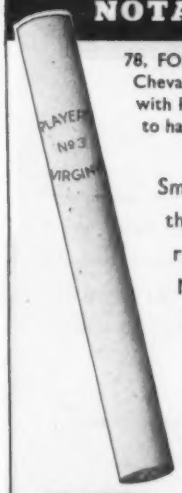


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AND FOR
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Royal College of Physicians of London.

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Candidates are required to give twenty-one days' notice in writing to the Registrar of the College, to whom all certificates and testimonials required by the bye-laws must be sent at the same time.

Candidates who propose to submit published work under the regulations now in force are required to give twenty-eight days' notice, and should apply in writing to the Registrar, without delay, for detailed instructions as to the procedure they should follow.

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Forms of application may be had from the Secretary to the University.

H. J. BUTCHART, Secretary.

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(UNIVERSITY OF LONDON)

## Department of Surgery

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| **Monday, 3rd June** | **General Principles of Fracture Treatment.** |
| **Tuesday, 4th June** | **Injuries of the Upper Limb.** |
| **Wednesday, 5th June** | **Injuries of the Lower Limb.** |
| **Thursday, 6th June** | **Injuries of Spine, Pelvis, and Hip-joint.** |
| **Friday, 7th June** | **Compound and Infected Fractures. Amputations.** |

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A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.

For full particulars apply to the Misses McLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

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## STRETTON HOUSE,

**Church Stretton, Shropshire.**

ESTABLISHED IN 1853.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Patients under the provisions of the Mental Treatment Act, 1930. Bracing hill country. See "Medical Directory," p. 2358.—Apply to the Medical Superintendent. 'Phone 10 P.O., Church Stretton.

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## SPRINGFIELD HOUSE

'Phone: BEDFORD 3417. **Near BEDFORD**

**For Mental Cases with or without Certificates.**

*Ordinary Terms: Five Guineas per week (including Separate Bedrooms for all suitable cases without extra charge).*

For forms of admission, &c., apply to the Resident Physician, CEDRIC W. BOWER.

INTERVIEWS IN LONDON BY APPOINTMENT.

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## BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

*For further particulars apply—*
Dr. ERNEST ROLLINS, Resident Physician.
*Tel.:* Amherst 1642.

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## Littleton Hall, Brentwood, Essex.

(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received.
Apply to Dr. HAYNES. Tel.: Brentwood 45.

---

## HEIGHAM HALL, NORWICH

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.
Apply to Dr. J. A. SMALL.
Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

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## CHISWICK HOUSE,

**PINNER, MIDDLESEX.**

**Telephone: PINNER 234.**

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.

DOUGLAS MACAULAY, M.D., D.P.M.

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## CITY OF LONDON MENTAL HOSPITAL

**Near DARTFORD, KENT.**

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of £2 9s., and upwards.

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## BOURNEMOUTH HYDRO

**Ultra-Violet, Infra-Red, and Ultra-short-wave Diathermy Treatments**
**Pistany, Pyretic, Nauheim, and Medicated Baths.**
**Remedial Exercises; Massage; and Inhalation Therapy.**
**Plombières and Vichy Douches.**

**Resident Physician. Certificated Staff. Telephone: 341**

# CAVENDISH NURSES

Special Nurses for Nerve and Mental Cases.

**MALE and FEMALE**

*A very convenient form of telephone message pad sent free on application to the Secretary.*

Head Office: 54, BEAUMONT ST., LONDON, W.1 (late 43, New Cavendish St., London, W.1).
*Branches:—MANCHESTER: 176, Oxford Road. GLASGOW: 28, Windsor Terrace. DUBLIN: 23, Upper Baggott Street.*

Superior trained Nurses for Medical, Surgical, Mental Dipsomania, Travelling and all cases. Nurses reside on the premises and are always ready for urgent calls Day and Night. Skilled Masseuses, Masseurs, and good Valet attendants supplied. *Terms from £3 13 6. Apply to the Secretary or Lady Supt.*

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Telephones: London, 1277 Welbeck (2 lines). Manchester, 3152 Ardwick. Glasgow, 477 Douglas. Dublin, 63006.

**MENTAL NURSES**
Also Fully Trained Nurses for
**MEDICAL, SURGICAL,**
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'Phone: "WELBECK 6066"

MALE & FEMALE TRAINED THE TEMPERANCE NURSES CO-OPERATION

**MALE & FEMALE**
all Cases, Male, Female, & Children
**MATERNITY, FEVER, etc.**
H. S. STURGESS, Secy.
'Grams: "ABSTAIN, LONDON"

ESTABLISHED AT THIS ADDRESS 43 YEARS

# General & Mental Nurses Association, Ltd.

8, HINDE STREET, MANCHESTER SQ., LONDON, W.1 (MALE & FEMALE)
*Telegrams:* "Isolation, London." *Telephone:* Welbeck 9842.

SUPPLY STATE REGISTERED NURSES FOR ALL TYPES OF ILLNESS, INCLUDING MENTAL AND NERVE CASES, AT A MOMENT'S NOTICE—DAY OR NIGHT
*All Nurses fully insured against Accident.* Terms from £3 13 6. Apply MATRON.

# MALE NURSES

**8, HINDE ST., MANCHESTER SQ., W.1.**
MANCHESTER—237, BRUNSWICK STREET
EDINBURGH—7, TORPHICHEN STREET (*Facing Owen College*)
Terms £4 4 0 per week
ALL NURSES ARE FULLY INSURED AGAINST ACCIDENT

***TEMPERANCE* CO-OPERATION, LTD.**
TRAINED MALE NURSES AND VALET ATTENDANTS for MENTAL, MEDICAL, TRAVELLING AND ALL CASES

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| Edinburgh: 2715 CENTRAL. | ASSUAGED, EDINBURGH. |

Please address all communications W. WALSHE, Secretary.

Telephone: WELBECK 2728.
Telegrams: "ASSISTIANO, LONDON."

# MALE NURSES ASSOCIATION

**29, YORK ST., BAKER ST., LONDON, W.1**
Established 34 years.

Permanent Staff of Resident Male Nurses
We supply fully-trained Male Nurses for all cases. Thoroughly experienced men with special training for mental work.

W. J. HICKS, *Secretary.*

# NORTHUMBERLAND HOUSE

GREEN LANES,
FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Occupational Therapy, Psychotherapy, and other modern forms of treatment. A.R.P. Shelters.
*Telephone:* Stamford Hill 2688.
For further particulars apply to the MEDICAL SUPERINTENDENT

## MALLING PLACE, KENT

For LADIES and GENTLEMEN of Unsound Mind.
Terms moderate. Apply to Resident Medical Superintendent.
Telegrams: ADAM WEST MALLING. Telephone No. 2: MALLING.

# Grove House, All Stretton, Church

STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.
Climate healthy and bracing.
Apply to Dr. McCLINTOCK, Proprietor and Resident Medical Superintendent.

# THE PARK HOSPITAL

for

**FUNCTIONAL NERVOUS DISORDERS**

**OLD ROAD, HEADINGTON, OXFORD**

The above Hospital of 26 beds for patients of both sexes has recently been opened for the active treatment of neuroses, psychoneuroses, and allied disorders. Full facilities for special investigations are available.

The Hospital, which has extensive grounds, occupies a quiet and healthy situation on the outskirts of Oxford.

Fees are from £4 . 14 . 6 per week.

*Applications for admission should be made to The Medical Director, R. G. McInnes, Esq., M.R.C.P.E., D.Psych. Telephone: 6599 Oxford.*

# CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

# THE LAW NURSING HOME

## ROCHDALE (Lancs)

Founder: The late SIR A. J. LAW, J.P., M.P.

*A Private Hospital, exclusively for the treatment of POST-ENCEPHALITIC PARKINSONISM, PARKINSON'S DISEASE and ALLIED DISORDERS*

The Nursing Home is governed by Trustees; any surplus is utilized to help patients who cannot afford full fees. Extensive grounds. Hydro. Expert Massage and Physical re-education. Dietary treatment. Equipped with every laboratory apparatus for the investigation and treatment of the diseases. Results of the BULGARIAN TREATMENT published (*Lancet*, 1939, 1, 693) approx.: 300 patients treated in the last 3 years. Terms moderate. Further particulars apply Medical Superintendent. Tel.: Rochdale 2960.

# COURT HALL, KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS

# CLIFFDEN, TEIGNMOUTH

FOR EARLY AND CONVALESCENT CASES

Recreational Therapies are held daily by skilled Leaders

The house stands high with spacious balconies and extensive views of the South Devon Coast. Beautiful gardens. Own Dairy in 25 acres. Private road to beach.

There is also a charming house, EBWORTHY, MANATON, DARTMOOR, situated in 20 acres, 1100 ft. up for bracing moorland air.

*Resident Physicians*—BERTHA M. MULES, M.D., B.S. ANNE S. MULES, M.R.C.S., L.R.C.P.

*Telephones*—STARCROSS 59 and TEIGNMOUTH 289

# CRICHTON ROYAL, DUMFRIES

For NERVOUS AND MENTAL DISORDERS

Separate Villa for patients suffering from the effects of alcoholism and drug addiction. Every facility for complete investigation and individual treatment on the most modern lines. Fully equipped gymnasium, golf course, and indoor swimming pool. Specially trained occupational and recreational therapists. **Special Department for Insulin Therapy.** As the hospital is well endowed terms are exceptionally moderate, e.g., First Department from 3 guineas per week, Second Department, 2 and 2½ guineas per week. Voluntary and certified patients are received. Medical Certificates given anywhere in the British Isles are valid for admission of patients. *For prospectus, necessary forms, and further information apply to:—*

Physician Superintendent, P. K. McCowan, J.P., M.D., F.R.C.P., D.P.M., Barrister-at-Law. *Tel.* Dumfries 1119.

# VALE OF CLWYD SANATORIUM

This Sanatorium is established for the treatment of Tuberculosis of the Lungs and the Pleural Cavities. It is situated in the midst of a large area of park-land at a height of 450 feet above sea-level, on the South West slopes of mountains rising to over 1800 feet, which protect it from north and east winds and provide many miles of graduated walks with magnificent views. Average rainfall 29·57 per annum. Full day and night Nursing Staffs. X-Ray plant. Every facility for Artificial Pneumothorax and for operations on the chest. Electric Lighting. Central Heating. Home Farm. Grade A Milk from T.T. Herd.

For particulars apply to Medical Superintendent.

H. MORRISTON DAVIES, M.D., M.Ch. (Cantab.), F.R.C.S., Llanbedr Hall, Ruthin, N. Wales.

# HOLLOWAY SANATORIUM VIRGINIA WATER

**A Registered Hospital for the Treatment of MENTAL DISORDERS of the EDUCATED CLASSES. Founded by THOMAS HOLLOWAY in 1885.**

This Institution is situated in a beautiful and healthy locality within easy reach of London. It is fitted with every comfort. Patients can have Private Bedrooms and Special Nurses as well as the use of General Sitting Rooms, at moderate rates of payment. Voluntary Patients can be admitted.

There is a Branch Establishment at CANFORD CLIFFS, BOURNEMOUTH, where Patients can be sent for a change and be provided with all the comforts of a well-appointed home.

*For Terms, apply to—*

**The RESIDENT MEDICAL SUPERINTENDENT, St. Ann's Heath, Virginia Water, SURREY**

# ST. ANDREW'S HOSPITAL

## FOR NERVOUS AND MENTAL DISORDERS,

## NORTHAMPTON

*FOR THE UPPER AND MIDDLE CLASSES ONLY.*

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, K.G., C.M.G., A.D.C.

MEDICAL SUPERINTENDENT: THOMAS TENNENT, M.D., M.R.C.P., D.P.H., D.P.M.

This Registered Hospital is situated in 130 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble; temporary patients, and certified patients of both sexes are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

### WANTAGE HOUSE

This is a Reception Hospital in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the complete investigation and treatment of Mental and Nervous Disorders by the most modern methods; insulin treatment is available for suitable cases. It contains special departments for hydrotherapy by various methods, including Turkish and Russian baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical baths, Plombieres treatment, etc. There is an Operating Theatre, a Dental Surgery, an X-Ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High-frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research. Psychotherapeutic treatment is employed when indicated.

### MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupational therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

### BRYN-Y-NEUADD HALL

The seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North-West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout-fishing in the park.

At all the branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard courts), croquet grounds, golf courses, and bowling greens. Ladies and gentlemen have their own gardens, and facilities are provided for handicrafts, such as carpentry, etc.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

# PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." Telephones: Rodney 2841 and 2842.

The above House is for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified voluntary and temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. Occupational therapy, physical drill, and other forms of modern treatment. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor drives are arranged when required. Tennis courts. Entertainments, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

# CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

***For the treatment of MENTAL DISORDERS.***

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds. Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel. **Shock and also modified Insulin Therapy.**

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by a resident Medical Staff, and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

**The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.**

# THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the Treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air, SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-ray controlled). TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms: 5 to 7½ Guineas a week inclusive.**

*Med. Supt.:* GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* G. N. BARKER, F.R.C.S. Edin., D.L.O. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S.R.C.S. Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman Birdlip"

# PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

## FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made.

# The CLINIC re-opens in JUNE

*with air-raid shelter and ventilated blackout*

In response to continued demands by the medical profession for the amenities offered in The Clinic, which was closed at the outbreak of War, the Trustees have decided to re-open in June.

The Clinic has been specially designed, built and equipped in consultation with leading specialists and practitioners as a Nursing Home. Patients—admitted only under the care of their own physician or surgeon—are offered the finest attention that modern methods and the most up-to-date equipment can give.

*Fees 10 gns. to 18 gns. per week (average 14 gns.). Specially equipped Operating Theatres available. Only State-registered Nurses employed.*

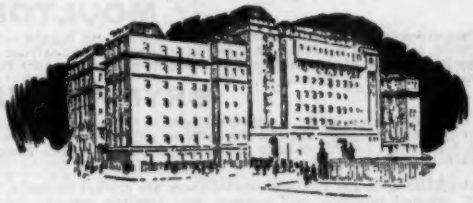
*Rooms may be reserved now by application to the Matron: Miss J. Jacomb, S.R.N., S.C.M.*

*The Nursing Home for Surgical, Medical and Maternity Cases*

## The CLINIC

**20 DEVONSHIRE PLACE**
**LONDON, W.1**

*Telephone:* WELbeck 4444



## MUNDESLEY SANATORIUM

**NORFOLK**

*Resident Physicians:*

S. VERE PEARSON, M.D. (Cantab.), M.R.C.P. (Lond.).
E. C. WYNNE-EDWARDS, M.B. (Cantab.), F.R.C.S. (Edin.).
GEORGE H. DAY, M.D. (Cantab.).

**TERMS FROM 7½ GUINEAS WEEKLY**

*For all information apply:* THE SECRETARY.

Telephone: Mundesley 94 and 95 (2 lines)

## THE OLD MANOR SALISBURY

*A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.*

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

**CONVALESCENT HOME AT BOURNEMOUTH** Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 3216 and 3217.

## HAYDOCK LODGE,

**NEWTON-LE-WILLOWS, LANCASHIRE.**

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders, Alcoholism and Drug addiction, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

# ROYAL EARLSWOOD INSTITUTION

REDHILL, SURREY. FOR MENTAL DEFECTIVES OF ALL AGES.

Training under medical supervision. Schools, Farm, Trade Workshops, Recreations. Fees £110 to £375 per annum. Election by votes of subscribers at reduced terms for necessitous trainable cases.

*Apply:* Secretary. Tel.: Redhill 344.

## HOME for EPILEPTICS, MAGHULL

(Near Liverpool)

FARMING and OPEN AIR OCCUPATION for PATIENTS

A few vacancies in 1st and 2nd Class Houses.

FEES:

1st Class (men only) from £5 5s. p.w. upwards.

2nd Class (men and women) 22/- p.w.

*For further particulars apply* Secretary,

C. EDGAR GRISEWOOD, A.C.A., 20 Exchange St. East, Liverpool

## PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

## FENSTANTON, at "FIVE DIAMONDS," Chalfont St. Giles, Bucks.

A Private Home for the Care and Treatment of a limited number of LADIES with Mental and Nervous Disorders. Certified, Voluntary, and Temporary Patients received. Mansion with 12 acres of ground. (*See Medical Directory*, p. 2346.) Apply Resident Physician. Telephone: Little Chalfont 2046. Station: Chalfont and Latimer.

## Middlesex County Council.

SENIOR ANÆSTHETIST required for WEST MIDDLESEX COUNTY HOSPITAL, ISLEWORTH, MIDDLESEX (5000 operations annually). Must be registered Medical Practitioner, skilled in administration of anæsthetics by modern methods. Diploma in anæsthetics preferable. Whole-time duties under direction of Medical Superintendent, including teaching nurses and post-graduate medical students. Appointment established and pensionable, non-resident but required to reside within a short distance of Hospital. Subject to medical examination and three months' notice.

Salary £650 × £50–£1000 per annum (inclusive, any fees received paid to Council).

Application to the undersigned not later than 8th June. No application forms provided. Relationship to any member or officer of Council to be disclosed. Copies of not more than three recent testimonials. Canvassing directly or indirectly will disqualify.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.

Guildhall, Westminster, S.W.1.

## Middlesex County Council.

PUBLIC HEALTH DEPARTMENT,

10, Great George-street, Westminster, S.W.1, and at Hendon.

Additional ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH required. Must be Medical Practitioner with Degree or Diploma in Sanitary Science, Public Health or State Medicine; previous hospital appointments, good knowledge of clinical medicine and public health organisation and practical experience in public health administration and A.R.P. medical services. Unestablished with prospect of transfer to established staff after the war. Subject to medical examination.

Salary £800–£50–£1000 per annum and reasonable out-of-pocket travelling expenses. Three months' notice on either side. Duties on central staff under supervision and control of County Medical Officer. Whole-time, no other appointments or private practice permitted.

Application to the undersigned not later than 8th June, 1940. Relationship to any member or officer of the Council to be disclosed. Copies of not more than three recent testimonials. Canvassing, directly or indirectly, will disqualify. Endorse envelope "Asst. C.M.O."

C. W. RADCLIFFE, "B.3," Clerk of the County Council.

Guildhall, Westminster, S.W.1.

## Middlesex County Council.

SPRINGFIELD MENTAL HOSPITAL, Tooting, S.W.

Wanted, LOCUM TENENS ASSISTANT MEDICAL OFFICER, from June 1st. Seven guineas per week, and all found. Weekly engagement.

Apply, stating age, qualifications, and experience, to the Medical Superintendent at above Hospital.

## St. John's Hospital, Lewisham, S.E.13.

Applications are invited for the resident appointment of HOUSE SURGEON (Male) tenable for six months from the 1st July, 1940. Salary £100 per annum.

Applications, with copies of testimonials, should be addressed to the undersigned as soon as possible. There will be a similar vacancy for a Casualty Officer on August 1st.

J. C. GILBERT, Secretary.

## King Edward Memorial Hospital,

Mattock-lane, Ealing, W.13.

CASUALTY OFFICER AND DEPUTY RESIDENT MEDICAL OFFICER (Male) required immediately; six months' appointment with possibility of re-election for a further period. Salary £225 per annum, with usual residential emoluments.

Applications, stating age, experience, and qualifications, together with copies of two recent testimonials, should be sent to the undersigned immediately.

R. A. MICKELWRIGHT, House Governor.

## King Edward Memorial Hospital,

Mattock-lane, Ealing, W.13.

CASUALTY OFFICER AND HOUSE SURGEON (Male) required immediately to undertake casualty duties and act as House Surgeon for orthopædics, children, and eyes. Six months' appointment with possibility of re-election for a further period. Salary £150 per annum, with usual residential emoluments.

Applications, stating age, experience, and qualifications, together with copies of two recent testimonials, should be sent to the undersigned immediately.

R. A. MICKELWRIGHT, House Governor.

## University College, London.

Applications are invited for the post of SENIOR DEMONSTRATOR in the DEPARTMENT OF ANATOMY AND EMBRYOLOGY.

Salary £375-£475 or £425-£475 if possessing Medical qualifications. Further particulars may be obtained from the Secretary, University College, Gower Street, W.C.1.

## The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),

Fulham-road, London, S.W.3.

Applications are invited for the post of SECOND ASSISTANT PATHOLOGIST, to commence duties on July 1st.

Salary £300 per annum. The appointment is for twelve months and subject to rules, a copy of which may be obtained from the Secretary.

Applications, to be made on a form which will be supplied by the Secretary, together with copies only of three recent testimonials, to be sent to the Secretary not later than the first post on Monday, June 10th.

CLEMENT COBBOLD, Secretary.

## St. Mark's Hospital for Cancer, Fistula

AND OTHER DISEASES OF THE RECTUM,

City-road, London, E.C.1.

Applications are invited for the post of HOUSE SURGEON (Male). Salary £120 per annum, with board, residence, and laundry. Duties to commence 1st July, 1940.

Applications, with copies of testimonials, must reach the Secretary (from whom further particulars may be obtained) not later than Saturday, 8th June, 1940.

## The Samaritan Free Hospital for

WOMEN, Marylebone-road, N.W.1.

Applications are invited for the post of HOUSE SURGEON for a period of six months commencing 5th June next. Salary at the rate of £100 per annum, with board, lodging, and laundry. Previous experience as House Surgeon essential.

Applications, stating age, accompanied by copies only of testimonials, should be sent to the Secretary at the Hospital not later than NOON, Thursday, 30th May, 1940.

G. H. HAWKINS, Secretary.

# UNIVERSITY EXAMINATION POSTAL INSTITUTION

Founded in 1882 by E. S. WEYMOUTH, M.A.

**Postal or Oral Preparation for all Medical Examinations.**

## SOME SUCCESSES

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| M.D. (Lond.), 1901-39 (11 Gold Medallists 1913-39) .. | 427 |
| M.S. (Lond.), 1901-39 (including 4 Gold Medallists) .. | 24 |
| M.B., B.S. (Lond.), *Final*, 1901-39 (completed exam.).. | 368 |
| F.R.C.S. (Eng.), 1901-39 .. Primary 300 ; Final | 240 |
| D.P.H. (various), 1901-39 (completed exam.) .. .. | 366 |
| F.R.C.S. (Edin.), 1901-39 .. .. .. .. .. | 90 |
| M.R.C.P. (Lond.), 1901-39 .. .. .. .. .. | 342 |
| M.R.C.S., L.R.C.P., *Final*, 1901-39 (completed exam.).. | 728 |

M.D. (various), by Thesis. Many Successes.

D.O.M.S., D.L.O., D.P.M., &c. Many Successes.

**MEDICAL PROSPECTUS (36 pages),**

sent gratis, along with List of Tutors, &c., on application to the Principal, 17, Red Lion-square, London, W.C.1. (Telephone: Holborn 6313.)


## Graham Scholarship in Pathology.

Applications are invited for a temporary appointment to the Graham Scholarship in Pathology, value £300 a year. The Scholarship is tenable at University College Hospital Medical School, W.C.1.

Applications must be received not later than 1st June, 1940, by the Principal, University of London, Royal Holloway College, Englefield Green, Surrey, from whom further particulars may be obtained.

## Battersea General Hospital,

Battersea Park, London, S.W.11.
(85 Beds.)

Applications are invited for the appointment of a HOUSE PHYSICIAN (Male or Female) for a period of six months, commencing the 1st July next. Salary at the rate of £100 per annum, with board, residence, and laundry.

Applications, stating age, nationality, qualifications, and experience, with copies of three recent testimonials, should be sent to the Secretary of the Hospital not later than the 29th May, 1940.

## Victoria Hospital for Children,

Tite-street, Chelsea, S.W.3. (138 Beds.)

The Committee of Management invite applications for the post of HOUSE PHYSICIAN vacant Monday, 3rd June, 1940. The appointment is for six months. Salary at the rate of £100 per annum, with board, lodging, and washing. Previous experience preferable.

Candidates should send their applications and copies of three testimonials to the Secretary not later than the first post on Wednesday, 29th May, and are expected to attend the Hospital for an interview. Travelling expenses, &c., will not be paid.

D. ST. JOHN BAMFORD, Secretary.

## The Princess Beatrice Hospital,

Earl's Court, S.W.5.

Vacancies occur for two residents (Male or Female).

(1) HOUSE SURGEON AND CASUALTY OFFICER.
(2) HOUSE PHYSICIAN AND CASUALTY OFFICER.

Appointment in each case to be for six months beginning 1st July, 1940. Salaries at the rate of £110 per annum, with board, residence, and laundry (plus £10 during the six months to cover all duties relating to private patients). Previous resident experience desirable but not essential.

Full particulars may be obtained from the House Governor, to whom applications, accompanied by copies of three recent testimonials, should be forwarded not later than 9 A.M., 10th June, 1940.

JOHN R. GRIFFITH, A.H.O.A.

## London County Council.

Applications invited from Medical Practitioners of at least one year's standing for undermentioned position. Experience in a resident appointment in a general hospital for at least six months desirable. Married quarters not available.

TEMPORARY ASSISTANT MEDICAL OFFICER (Class I).
Salary £350–£25–£425, with board, lodging, and washing.
KING GEORGE V SANATORIUM, near GODALMING, SURREY.
Experience in treatment of Pulmonary Tuberculosis essential.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2, County Hall, S.E.1, returnable by 10th June.

Canvassing disqualifies.

## The Royal Waterloo Hospital for

CHILDREN AND WOMEN,
Waterloo-road, London, S.E.1.

HON. MEDICAL REGISTRAR.

Applications are invited for the post of Hon. Medical Registrar. The appointment will be for a period of one year in the first instance. Honorarium £75 per annum.

Applications, together with copies of not more than three testimonials, should be sent to the undersigned, from whom further particulars can be obtained, and should arrive not later than May 28th, 1940.

J. H. TEASDALE, Secretary.

## The Royal Waterloo Hospital for

CHILDREN AND WOMEN,
Waterloo-road, London, S.E.1.

ANÆSTHETIST.

Applications are invited for the post of Part-time Anæsthetist. Candidates must be registered Medical Practitioners. Salary £50 per annum.

The appointment is for six months in the first instance, commencing June 1st, 1940.

Applications, together with not more than three testimonials, should be made to the Secretary, from whom further particulars can be obtained, not later than May 28th.

J. H. TEASDALE, Secretary.

## Queen Charlotte's Maternity Hospital,

Marylebone-road, N.W.1.

Applications are invited from registered Medical Practitioners for the following appointments :—

(*a*) ASSISTANT RESIDENT MEDICAL OFFICER (Male). Salary £80 per annum.
(*b*) RESIDENT ANÆSTHETIST AND DISTRICT RESIDENT MEDICAL OFFICER. Salary £90 per annum. Allowance for car.

With board, residence, and laundry allowance (4s. weekly). Appointments to commence on 1st July, 1940.

The Assistant Resident Medical Officer is appointed for three months, and on completion will be expected to apply for the post of Senior Resident Medical Officer (salary £100 per annum). Obstetric experience desirable.

Applications, stating age, medical school, qualifications, and previous appointments, should be sent to the Secretary as soon as possible, together with copies of three testimonials.

SEYMOUR LESLIE, Acting Secretary-Superintendent.

## St. Anne's Hospital, Altrincham,

CHESHIRE.

Applications are invited from registered Medical Practitioners for the post of RESIDENT MEDICAL OFFICER at the above EAR, NOSE, AND THROAT HOSPITAL (50 Beds). Salary £200 per annum, with board, apartments, &c. The appointment is for six months and is renewable. The post offers ample facilities for post-graduate studies.

Applications, with copies of testimonials, to be sent not later than 1st June to W. HUNT, Secretary, Manchester Hospital for Consumption and Diseases of the Throat and Chest, Hardman-street, Manchester, 3.

## York County Hospital.

(222 Beds.)

Applications are invited for the following resident posts :—

(*a*) Two HOUSE SURGEONS, GENERAL.
(*b*) ORTHOPÆDIC HOUSE SURGEON AND CASUALTY OFFICER.
(*c*) HOUSE PHYSICIAN.

The salary attaching to each post is £150 per annum, with board, residence, and laundry.

Applications, stating age and previous experience, together with copies of not more than three recent testimonials, to be sent to the undersigned not later than 9 A.M., on Tuesday, 28th May, 1940.

J. R. MACKRILL, Secretary.

## Royal Eye and Ear Hospital, Bradford.

HOUSE SURGEON (Male or Female) wanted immediately for EAR, NOSE, AND THROAT DEPARTMENT. Salary £180, with board, residence, and laundry.

Applications, stating age, experience, and copies of testimonials, to be forwarded to the undersigned.

F. BRIGGS, Secretary-Superintendent.

## City of Birmingham.

HOLLYMOOR EMERGENCY HOSPITAL.
(1000 Beds.)
SELLY OAK HOSPITAL.
(545 Beds.)

Applications are invited from qualified Medical Practitioners for appointments as JUNIOR RESIDENT MEDICAL OFFICERS (Male or Female) at the above Hospitals, for the treatment of medical and surgical cases. Salary at the rate of £200 per annum, with full residential emoluments. The appointments are for six months only.

Further particulars may be obtained from the Medical Superintendents and applications, stating age, experience, and qualifications, with copies of recent testimonials, should be forwarded to Dr. H. P. NEWSHOLME, Medical Officer of Health, Council House, Congreve-street, Birmingham, 3, not later than Thursday, 30th May, 1940.

# INDIAN MEDICAL SERVICE

## RECRUITMENT OF EUROPEAN OFFICERS

**Applications are invited from Medical Men for Seven Emergency Commissions in the Indian Medical Service. Candidates will be interviewed by a Selection Committee at the India Office in June. Selected candidates will probably be required to sail for India in October and may be required to undergo a month's course of instruction in this country before departure.**

British subjects of pure European descent who are under 32 years of age and who are registered under the Medical Acts in force in Great Britain and Northern Ireland are eligible to apply.

While no guarantee can be given of permanent retention in the I.M.S. after the war, Emergency Commissioned Officers will be considered for any vacancies that may then exist in the permanent cadre. Officers whose commissions are not extended will, on demobilisation, be granted gratuities based on one month's pay for each year of service.

**RATES OF PAY.**

| Rank and Service in Rank. | Basic Pay in Rs. per mensem. | Year of Service. | Overseas Pay. £ per month. |
|---|---|---|---|
| Lieutenant .. .. .. .. .. .. .. | 450 | 1 | 15 |
| Captain, during 1st year as such .. .. .. .. | 500 | 2 | 25 |
| Captain, during 2nd and 3rd years as such .. .. | 550 | 3 | 25 |
| | | 4 | 25 |
| Captain, during 4th and 5th years as such .. .. | 600 | 5 | 25 |
| | | 6 | 30 |

In addition to the above rates various allowances are admissible for a number of special appointments.

All commissioned service with the Colours as a Medical Officer will count as service towards rank and seniority. Antedates in respect of hospital appointments and higher medical qualifications will be granted only in the event of an officer receiving a permanent commission at the end of the war. On appointment officers will be granted a uniform allowance of £40.

**DISABILITY AND FAMILY PENSIONS.**

Officers will be eligible for the same Disability and Family Pensions as are admissible to Emergency Commissioned Officers of the British Service.

**LEAVE AND PASSAGES.**

Leave will be granted subject to the exigencies of the service under conditions applicable to Regular British Officers. On appointment an officer is provided with free passage to India and will be eligible for a return passage on the termination of his service. If he elects to remain in India, however, conveyance will be provided for his family, if any, to join him.

**Application Forms and full particulars may be obtained from the UNDER-SECRETARY OF STATE, MILITARY DEPARTMENT, INDIA OFFICE, LONDON, S.W.1. Applications should reach the India Office as soon as possible and the envelope should be marked "Medical Recruitment" on the top left-hand corner.**

## County Council of Durham.

EARL'S HOUSE SANATORIUM.

TEMPORARY RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Temporary Resident Medical Officer of Earl's House Sanatorium for Boys, near Durham, which has accommodation for about 80 patients.

The salary in the case of a single person will be at the rate of £500 per annum, rising by annual increments of £25 to £550 per annum, with board, residence, and laundry (valued at £150 per annum) in addition. The salary for a married man will be at the rate of £650 per annum, rising by annual increments of £25 to £700 per annum; the emoluments will be paid in cash, as there is accommodation for which a charge of £45 per annum, inclusive, is made by the County Council.

The officer appointed must be a registered Medical Practitioner and must devote his (her) whole time to the duties required of such person by the County Council, including part-time services as a District Tuberculosis Medical Officer. It is essential that the person appointed shall have held house appointments in a general hospital, and have had practical experience in the administration of a tuberculosis sanatorium and in the treatment of tuberculosis in such an institution and in bacteriological laboratory work. Experience in ultra-violet ray treatment and X-ray technique will also be necessary.

The person appointed will be attached to the County Health Department and will be required, subject to the control of the County Medical Officer of Health, to take full responsibility for the general management of the institution, including the supervision of the staff and the treatment of the patients.

The appointment will be subject to the regulations for the time being of the County Council relative to the payment of salary in the case of sickness, and will be terminable by three calendar months' notice on either side.

The candidate will be required to pass the County Council's medical examination, and will be subject to the provisions of the Local Government Superannuation Act, 1937.

Applications, endorsed "Temporary Resident Medical Officer, Earl's House Sanatorium," with copies of not more than three recent testimonials, must be delivered to the County Medical Officer, Shire Hall, Durham, on or before Monday, 10th June, 1940.

J. K. HOPE, Clerk of the County Council.

Shire Hall, Durham, 8th May, 1940.

## Royal United Hospital, Bath.

HOUSE SURGEONS AND PHYSICIANS.

Applications are invited from recently qualified Male Medical Practitioners, who have not yet undertaken the six months' hospital appointment prior to joining H.M. Forces laid down in the C.E.C. Scheme for the following posts which become vacant on 1st July next:—

One HOUSE PHYSICIAN.

Three HOUSE SURGEONS.

The appointments are for six months; salary at the rate of £150 per annum, with board residence.

SENIOR RESIDENT MEDICAL OFFICER.

A vacancy occurs for a Medical Officer unfit for Military Service under the age of 40 to act as Senior Resident Medical Officer at a salary of £250 per annum.

Applications, stating age, qualifications, and enclosing copies of three testimonials, to be forwarded to the undersigned by June 11th, 1940.

J. LAWRENCE MEARS, Secretary-Superintendent.

20th May, 1940.

## Northampton General Hospital.

(381 Beds.)

There is a vacancy for a HOUSE SURGEON (Male or Female). Salary will be at the rate of £150 per annum, with board, residence, and laundry. Candidates must be duly qualified and registered, and of British nationality.

The successful candidate will be appointed for the period ending 30th September, 1940, and will be eligible for re-election for a further period of six months.

Applications, stating age, qualifications, &c., with copies of three testimonials, must reach the undersigned not later than the first post on Wednesday, 5th June.

GORDON S. STURTRIDGE, M.B., Superintendent.

20th May, 1940.

## Sutton and Cheam Hospital,

SUTTON, SURREY.

(75 Beds normal. Plus 75 emergency.)

Applications are invited immediately for a LOCUM JUNIOR RESIDENT MEDICAL OFFICER (Male) for the first two weeks of June.

Further, there will be a vacancy for a JUNIOR RESIDENT MEDICAL OFFICER (Male) Class A, to commence duty on July 1st. The appointment will be for six months. Salary £100 per annum, with residence, board, and laundry. It is hoped that applicants for the post of Locum will be willing to be considered for the six-monthly appointment as above.

Applications, giving full particulars as to age and qualifications, together with copies of three recent testimonials, should be sent to the Secretary as soon as possible.

## Harlow Wood Orthopædic Hospital,

Near MANSFIELD, NOTTS. (155 Beds—being extended.)

Applications are invited for the post of HOUSE SURGEON (Male). Salary at £200 per annum, with board, residence, and laundry. The duties may include attendance at the associated hospitals and out-patient clinics. The appointment will be for six months from 1st July, 1940, and may be renewed for a further six months. The hospital is included in the Emergency Hospitals Service.

Applications, stating age and experience, with copies of testimonials, should be received by the Secretary by 8th June, 1940.

## Royal Sussex County Hospital,

BRIGHTON. (395 Beds.)

Applications are invited for the MAYO FELLOWSHIP IN ANÆSTHETICS (established March, 1939) tenable at the above Hospital and associated with the Nuffield Professor of Anæsthetics in the University of Oxford.

The Mayo Fellow will be in charge of the anæsthetic department, under the Honorary Anæsthetists. He will rank as Senior Resident Medical Officer, and as such will have certain administrative duties assigned to him.

The Fellowship is of the value of £300 per annum, with board, residence, and laundry.

Applications from Gentlemen who hold a Medical and Surgical qualification of the British Empire, and who are duly registered under the Medical Acts, should be sent, with copies of testimonials, as early as possible to the undersigned, from whom further particulars can be obtained if required.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

## Northumberland County Council.

WOOLEY SANATORIUM.

APPOINTMENT OF MEDICAL SUPERINTENDENT.

Applications are invited from duly qualified registered Medical Practitioners for the appointment of Medical Superintendent of Wooley Sanatorium (180 Beds).

Applicants should have had special experience in the treatment and diagnosis of Pulmonary Tuberculosis, X-ray work, institutional management, and Occupational Therapy.

The salary to be paid will be (according to experience) within the limits of the Askwith scale (viz., £650 to £850, rising by biennial increments of £50, with emoluments—free house, coal, and light—valued for superannuation purposes at £150 per annum), agreed between associations of local authorities and the British Medical Association.

The candidate appointed will also be required to act as Tuberculosis Officer for the Hexham division of the County, and will be upon the staff of the Public Health Department, and act under the direction of the County Medical Officer. He will also be required to pass a medical examination, and to contribute to the fund established under the Local Government Superannuation Act, 1937.

The appointment will be determinable by three months' notice on either side, and the person appointed will be required to devote the whole of his time to the duties of the office.

Applications (accompanied by three recent testimonials), upon forms to be obtained from the County Medical Officer, New Senior School, Mitford-road, Morpeth, to be sent to the undersigned not later than June 15th, 1940.

C. HAROLD CARTER, Clerk of the County Council.

New Senior School, Mitford-road, Morpeth, Northumberland.

## Hull Corporation Health Department.

BEVERLEY ROAD HOSPITAL. (400 Beds.)

ASSISTANT MEDICAL OFFICER.

Applications are invited for the above appointment from registered Medical Practitioners, who must be single, of either sex, under the age of forty years. Duties mainly medical. Salary £350 per annum, rising by annual increments of £25 to £450 per annum, together with board, residence, and laundry.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937.

The Hospital forms part of the local Emergency Medical Scheme as a Casualty Clearing Hospital, and is equipped with X-ray and Ultra-violet Light Departments.

Forms of application may be obtained from, and returned duly completed to, the Medical Officer of Health, Guildhall, Hull, not later than 10 A.M. on Monday, 3rd June, 1940.

## Hull Corporation Health Department.

TEMPORARY ASSISTANT MEDICAL OFFICER OF HEALTH (Woman).

Applications are invited from duly qualified Medical Women, under forty years of age and of not less than three years' standing in their profession, for the above temporary post.

Preference given to candidates possessing the Diploma in Public Health or equivalent qualification.

Salary £600 per annum, rising by annual increments of £25 to £700 per annum.

Duties consist mainly of work in the School Medical Department.

Application forms may be obtained from, and should be returned to, the Medical Officer of Health, Guildhall, Hull, not later than Thursday, 6th June, 1940.

## County Borough of Smethwick.

ST. CHAD'S HOSPITAL.

HOUSE PHYSICIAN AND ANÆSTHETIST.

Applications are invited from registered Medical Practitioners for the appointment of House Physician and Anæsthetist at the Council's Municipal Hospital. The appointment will be for a period of six months at a salary at the rate of £150 per annum, with the usual emoluments. If the successful candidate is reappointed for a further period of six months, the salary will be at the rate of £200 per annum.

The Hospital contains 147 Beds, and the cases treated include General Medical, Acute Surgical, and Maternity patients. It is staffed by the Honorary Consultants of the Birmingham teaching hospitals.

Forms of application may be obtained from the Medical Superintendent, St. Chad's Hospital, Hagley-road, Birmingham, 16, to whom applications, endorsed "House Physician" and accompanied by copies of three recent testimonials, must be delivered not later than 31st May, 1940.

Canvassing, directly or indirectly, will disqualify.

FRANK CHAPMAN, Town Clerk.

Council House, Smethwick, 6th May, 1940.

## Salford Royal Hospital.

(256 Beds.)

Applications are invited from registered candidates (Male) for one HOUSE PHYSICIAN and one HOUSE SURGEON (Special Depts.), for six months from 1st July next. Salary £125 per annum.

Forms of application, obtainable from the undersigned, must be delivered on or before 4th June.

By Order of the Board,

H. B. SHELSWELL, General Superintendent and Secretary.

20th May, 1940.

## Coventry and Warwickshire Hospital.

Applications are invited for the following appointments:—

HOUSE SURGEON to the FRACTURE AND ORTHOPÆDIC DEPARTMENT.

HOUSE SURGEON to the EAR, NOSE, AND THROAT DEPARTMENT.

Each post, which is for six months terminating on October 31st next, carries with it a salary at the rate of £150 per annum, together with board, quarters, and laundry.

Applications, with full particulars, to be addressed to the undersigned immediately.

S. CECIL HILL, House Governor and Secretary.

## City of Birmingham,

MATERNITY AND CHILD WELFARE DEPARTMENT.

CANWELL HALL BABIES' HOSPITAL.

(84 Beds.)

A Woman RESIDENT MEDICAL OFFICER is required for a period of six months, duties to commence on August 1st.

Applicants should have had previous experience as a resident house physician, preferably in a Children's Hospital.

Salary £250 per annum, with board and laundry.

Applications, endorsed "Resident Medical Officer," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the Medical Officer of Health, Council House, Birmingham, 3, and returned to him on or before June 8th, 1940.

## The Radcliffe Infirmary, Oxford.

Applications are invited for the following posts, which become vacant on 1st July, 1940:—

One HOUSE PHYSICIAN.

Two HOUSE SURGEONS.

One HOUSE SURGEON to EAR, NOSE, AND THROAT DEPARTMENT. (Previous experience desired. Recognised for Degree of D.L.O.)

One OBSTETRIC HOUSE PHYSICIAN to NUFFIELD PROFESSOR OF OBSTETRICS AND GYNÆCOLOGY. (Previous hospital experience essential.)

One GYNÆCOLOGICAL HOUSE SURGEON to NUFFIELD PROFESSOR OF OBSTETRICS AND GYNÆCOLOGY.

All Resident Medical Officers will have some anæsthetic duties to perform.

The House Surgeons will also be responsible for some Casualty duties.

Appointments for six months, with salary at the rate of £100 per annum, with board, &c.

Candidates must be Male and qualified.

Applications, with four copies of three testimonials, to be sent to the undersigned on or before 5th June, 1940. No special application form is required.

A. G. E. SANCTUARY, Administrator.

May, 1940.

## Bath & Wessex Children's Orthopædic

HOSPITAL, COMBE PARK, BATH.

HOUSE SURGEON required immediately.

The appointment will be for six months, with salary at the rate of £120 per annum, together with quarters, board, and laundry.

Orthopædic experience an advantage, together with experience in administering anæsthetics.

Applications, together with copies of three recent testimonials, to be sent to the undersigned at once.

HAROLD J. FRICKER, Secretary.

21st May, 1940.

## City of Leeds.

SEACROFT EMERGENCY HOSPITAL.

HOUSE PHYSICIANS.—HOUSE SURGEONS.

Applications from duly qualified and registered Medical Practitioners of British nationality are invited for the above posts. Salary will be at the rate of £200 per annum, with board, residence, and laundry. The appointments are temporary for a period of six months, and successful candidates will be required to undertake duties allotted by the Medical Superintendent of the Hospital.

Applications, with copies of not more than three recent testimonials, should be sent as early as possible to the undersigned.

J. JOHNSTONE JERVIS, M.D., D.P.H.,
Medical Officer of Health.

12, Market Buildings, Vicar-lane, Leeds, 1.

## Kettering and District General

HOSPITAL. (108 Ordinary and 50 Emergency Beds.)

HOUSE SURGEON }
HOUSE PHYSICIAN } Male.

Applications are invited for the above posts.

Salary £150 per annum, with board, residence, and laundry. Candidates must be fully qualified and registered.

Both appointments are for six months, House Physician to commence June 1st, House Surgeon on July 1st.

Applications, stating age, nationality, and qualifications, together with copies of three testimonials, to be sent to the undersigned as soon as possible.

G. W. JACKSON, Secretary-Superintendent.

## Royal Salop Infirmary, Shrewsbury.

(200 Beds.)

APPOINTMENT OF RESIDENT HOUSE PHYSICIAN.

Applications are invited from fully qualified unmarried Gentlemen for the appointment of Resident House Physician vacant immediately.

Salary £160 per annum, with board, residence, &c.

The appointment is for six months, subject to re-appointment. Resident Staff comprises Resident Surgical Officer, Resident House Physician, and two Resident House Surgeons. The Resident House Physician is Resident Officer to the Medical Wards of the Hospital under the direction of three Honorary Physicians, and of the Maternity Unit under the direction of the Honorary Obstetrician.

Applications, stating age, qualifications, experience, nationality, and accompanied by copies of three recent testimonials, to be sent to the undersigned forthwith.

J. W. NOBLE, Secretary-Superintendent.

Board Room, 15th May, 1940.

## The Chester Royal Infirmary.

(Normal capacity 225 Beds.)

Applications are invited for the post of HOUSE PHYSICIAN (Male or Female) and Two HOUSE SURGEONS (Male or Female).

The appointment of House Physician is approved in connexion with the M.D. Examination of the University of London. The appointment of House Surgeons is approved in connexion with the M.S. (London University) and the F.R.C.S. (Eng.) Examinations. Salary £150 per annum, with board, lodging, and laundry.

Application forms may be obtained from—

W. H. GRACE, M.D., F.R.C.P.,
Hon. Secretary, Medical Committee.

## North Riding Infirmary, Middlesbrough

(General Hospital, 143 Beds. Three Residents.)

Applications are invited for the posts of CASUALTY OFFICER and HOUSE PHYSICIAN (Male or Female) for a period of six months, renewable. Duties of the house physician also include the administration of a number of anæsthetics.

Salaries are at the rate of £150 and £140 per annum respectively with board residence and laundry. Candidates must be unmarried and of British nationality. Duties to commence immediately. Applications, stating age, qualifications and experience, together with copies of three recent testimonials, should be sent to the undersigned forthwith.

GERALD A. KENYON, Secretary-Superintendent.

## Barbados General Hospital.

WANTED.

A duly qualified Medical Practitioner as HOUSE SURGEON of the Barbados General Hospital (284 Beds). A man who has had experience in administering Anæsthetics preferred.

Salary £325 per annum, with quarters fully furnished for a single man, free water, lighting allowance, and no local rates.

The appointment, which is renewable, will be for either three, two, or one-and-a-half years, subject to three months' notice on either side to terminate the engagement. Candidates must state whether they wish to engage for three, two, or one-and-a-half years.

First-class passage direct to Barbados will be paid by the Hospital Board for a full term of service, a proportionate part to be refunded in case of service for a shorter period.

Applications, accompanied by a photograph, a medical certificate of physical fitness at the time of application, and recent professional and personal testimonials stating age and date of graduation, will be received not later than 15th June, 1940, and should be addressed to the Medical Superintendent, General Hospital, Barbados, B.W.I., from whom further particulars may be obtained.

Canadian graduates must hold qualifications registrable in England.

Candidates holding a United States degree must be registered in the State of New York.

By order.

W. GOODMAN, Secretary.

## The Children's Hospital, Sheffield.

(INC.). (157 Beds.)

Applications are invited for the post of HOUSE SURGEON, vacant 1st June, 1940.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry.

Candidates (unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

## West Suffolk General Hospital,

BURY ST. EDMUNDS.

(112 Beds.)

Applications are invited for the post of HOUSE SURGEON. Duties include charge of the Surgical Beds. Salary £150 per annum, with board, residence, and laundry. Applicants must be registered Practitioners.

Applications, stating age, experience, and nationality, with copies of three recent testimonials, to be sent to the Secretary. Six months' appointment.

May 6th, 1940.

## Essex County Council.

OLDCHURCH COUNTY HOSPITAL, ROMFORD.

APPOINTMENT OF MEDICAL STAFF.

The County Council of the Administrative County of Essex invite applications from registered Medical Practitioners for the under-mentioned appointments at the Oldchurch County Hospital, Romford.

The Hospital is a general hospital with accommodation for approximately 860 patients, is equipped with all modern departments, and has a visiting staff of surgeons.

ASSISTANT RESIDENT SURGEON.

Salary at the rate of £350 per annum, rising, subject to satisfactory service, by annual increments of £25 to £450 per annum, plus residential emoluments valued at £160 per annum.

JUNIOR RESIDENT MEDICAL OFFICER (SECOND ANÆSTHETIST).

The appointment will be for a period of one year and the salary payable will be at the rate of £250 per annum, plus residential emoluments valued at £160 per annum. Candidates for the appointment must have had considerable experience in the administration of anæsthetics.

The persons appointed will be required to pass a medical examination and in the case of the Assistant Resident Surgeon to contribute to the appropriate Superannuation Fund of the County Council.

The appointments will be subject to the Council's Sick Pay Rules and Regulations, a copy of which will be forwarded on application.

Applications, on the prescribed forms obtainable from the undersigned, should be addressed to me and delivered at the County Hall, Chelmsford, not later than 10 A.M. on Monday, 3rd June, 1940.

E. S. HOLCROFT, Clerk of the County Council.

County Hall, Chelmsford, 14th May, 1940.

## Grimsby and District Hospital.

(189 Beds.)

Applications are invited for the post of HOUSE PHYSICIAN. Remuneration £175 per annum, with board, residence, &c. Candidates must be fully qualified and registered. Duties to commence immediately. Appointment for six months, option of renewal.

Applications, stating age, qualifications, experience, and not more than three testimonials, to be forwarded to the undersigned at once.

H. B. COATES, Secretary-Superintendent.

10th May, 1940.

## Rochdale Infirmary and Dispensary.

(110 Beds. Three Residents.)

The Board of Management invites applications for the appointment of SECOND HOUSE SURGEON.

The salary attached to the appointment is at the rate of £150 per annum, including board, residence, and laundry.

Applications, stating age, nationality, &c., together with copies of three recent testimonials, to be sent to the Secretary, endorsed "House Surgeon."

Conditions of the appointment may be had on application to the Secretary.

W. WYNNE, Secretary.

Infirmary Office, Rochdale, Lancs.

## The King Edward VII Welsh National

MEMORIAL ASSOCIATION.

Applications are invited from duly registered Medical Practitioners (Male or Female) for the post of AREA ASSISTANT TUBERCULOSIS OFFICER.

The appointment is temporary and tenable for the duration of the war.

Commencing salary £500 per annum.

Preferably candidates should have had at least six months' special training in tuberculosis, with eighteen months' experience in general clinical work, of which six months should have been spent in a hospital not confined to the treatment of tuberculosis.

Knowledge of Welsh desirable.

Applications, stating age, qualifications, experience, &c., together with copies of three recent testimonials, should reach the undersigned not later than Tuesday, May 28th, 1940.

D. A. POWELL, Principal Medical Officer.

Memorial Offices, Cathays Park, Cardiff.

## North Riding of Yorkshire County

COUNCIL.

NORTHALLERTON EMERGENCY HOSPITAL.

MEDICAL SUPERINTENDENT.

The services of a Medical Superintendent, preferably with surgical experience, will shortly be required for the above hutted hospital, which, at present, comprises 300 Beds. The appointment will be for the duration of war and the salary offered is £900 per annum, with free board and lodging, or an allowance at the rate of £100 per annum in lieu thereof.

Applicants should have knowledge of hospital administration. Applications giving details of age, present appointment, qualifications, and experience of hospital administration, accompanied by copies of not more than three recent testimonials, must be forwarded to reach the undersigned not later than Saturday, 1st June, 1940.

H. G. THORNLEY, Clerk of the County Council.

County Hall, Northallerton, 14th May, 1940.

## Nottingham and Midland Eye INFIRMARY.

RESIDENT HOUSE SURGEON required end of May. 54 Beds. Large Out-patient Department. Salary £200 per annum, with board and laundry. Post recognised for D.O.M.S.

Applicants should state age, qualifications, experience, and send copies of three testimonials to the Secretary, The Ropewalk, Nottingham.

## General Hospital, Nottingham.

(389 Beds.)

EAR, NOSE, AND THROAT DEPARTMENT.

A HOUSE SURGEON (Male or Female) is required for the above department containing 40 Beds and a large Out-patient Department. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.

Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned as soon as possible.

Duties to commence on or about June 1st.

HENRY M. STANLEY, House Governor and Secretary.

## General Hospital, Nottingham.

(389 Beds.)

A RESIDENT CASUALTY OFFICER (Male or Female) is required at the above Institution. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.

Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned. Duties to commence as soon as possible.

H. M. STANLEY, House Governor and Secretary.

## Chesterfield and North Derbyshire ROYAL HOSPITAL.

(220 Medical and Surgical Beds—226 War Emergency Beds.)

HOUSE PHYSICIAN. "A Appointment."

Applications are invited from fully qualified Men for the above post, which includes the giving of a certain number of Anæsthetics. The appointment is for six months.

Salary at the rate of £150 per annum, with board, apartments, and laundry.

Applications, stating age and nationality, together with copies of three recent testimonials, should be sent to the undersigned as soon as possible.

M. H. BOONE, Superintendent and Secretary.

4th May, 1940.

## Chesterfield and North Derbyshire ROYAL HOSPITAL.

(220 Medical and Surgical Beds—226 War Emergency Beds.)

HOUSE SURGEON AND ASSISTANT CASUALTY OFFICER. "A Appointment."

Applications are invited from fully qualified men for the above post. The appointment is for six months.

Salary at the rate of £150 per annum, with board, apartments, and laundry.

Applications, stating age and nationality, together with copies of three recent testimonials, should be sent to the undersigned as soon as possible.

M. H. BOONE, Superintendent and Secretary.

4th May, 1940.

## Chesterfield and North Derbyshire ROYAL HOSPITAL.

(220 Medical and Surgical Beds—226 War Emergency Beds.)
Recognised under F.R.C.S.(England) Regulations.

RESIDENT SURGICAL OFFICER. "B Appointment."

Applications are invited from fully qualified men for the above post. The possession of the F.R.C.S. degree is an advantage. Good operative experience is to be obtained.

Candidates must have had previous Senior Resident appointments with Surgical experience. The appointment is for twelve months from 1st July.

Salary at the rate of £300 per annum, with board, apartments, and laundry.

Applications, stating age and nationality, together with copies of three recent testimonials, should be sent to the undersigned as soon as possible.

M. H. BOONE, Superintendent and Secretary.

4th May, 1940.

## Royal Devon and Exeter Hospital, EXETER.

(510 Beds under Emergency Medical Service.)

HOUSE SURGEON (Male).

Applications are invited for this post, which becomes vacant on July 4th.

Appointment for six months. Salary at the rate of £160 per annum, with board, lodging, and laundry.

Applications, stating age and qualifications, together with copies of two testimonials, should be sent to the undersigned before Saturday, June 15th, 1940. The appointment will be made on June 26th.

In accordance with the recommendation of the Ministry of Health applications from recently qualified men will be considered.

L. PARKHOUSE, Secretary and Manager.

## Royal Buckinghamshire Hospital, AYLESBURY.

Applications are invited for the following posts, each for a period of six months beginning 1st July, 1940 :—

(1) SENIOR RESIDENT MEDICAL OFFICER—salary £180 per annum. (Previous experience, including anæsthesia, essential.)
(2) HOUSE SURGEON—£120 per annum.
(3) HOUSE PHYSICIAN—£120 per annum.

Full board, residence, and laundry provided.

Opportunity will be afforded to work with London Consultants, and to undertake duties, according to the post held, in all branches of medical and surgical practice, including anæsthesia.

Selected candidates will be required to attend for interview by the Medical Committee on Friday, 7th June.

Applications, supported by two recent testimonials, must reach the undersigned by 30th May

F. G. DAWES, Secretary.

## The Nottingham Hospital for Women.

HOUSE SURGEON (Female) required to commence duties early June, 1940. Appointment for period of not less than six months. Salary at the rate of £150 per annum, with board, residence, and laundry. Previous hospital experience essential.

Applications, stating age, experience, and qualifications, accompanied by copies of three recent testimonials, to be sent forthwith to the Secretary, Mr. A. L. MORELL, Burton Buildings, Upper Parliament-street, Nottingham.

## Christie Hospital and Holt Radium INSTITUTE, MANCHESTER, 20.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER to the HOLT RADIUM INSTITUTE. The appointment offers an excellent opportunity of acquiring specialist experience in Radium and Deep X-ray Therapy. Applicants (Male or Female) must possess a higher qualification in Medicine or Surgery or a Diploma in Radiology, and have had good general medical and surgical experience. Actual experience in Radiation Therapy is however not essential. The appointment is a whole-time one, in the first instance for one year at £500, increasing to £600 on confirmation of appointment.

Detailed applications and testimonials should be submitted to the undersigned immediately.

PERCY N. GLASS, General Superintendent.

## Gloucestershire County Council.

ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH.

Gloucestershire County Council invite applications for the appointment of an Assistant County Medical Officer of Health. The salary will be on the scale of £600 per annum by £25 to £700 per annum. Travelling and subsistence allowances will be paid in accordance with the Council's scale. The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination by the Council's medical adviser. Applicants must be registered Medical Practitioners and should hold a Diploma in Public Health. Previous experience in various branches of public health and school medical work is desirable.

Forms of application, with particulars of the duties and conditions of appointment, may be obtained from the County Medical Officer of Health, Shire Hall, Gloucester, to whom completed applications, with copies of three recent testimonials, should be sent not later than the 8th June, 1940.

Canvassing, directly or indirectly, will disqualify.

RICHARD L. MOON, Clerk of the County Council.

## Ancoats Hospital, Manchester, 4.

RESIDENT MEDICAL OFFICER required (Male or Female). A "B" appointment. Previous experience necessary. Appointment for six months from 1st July. Salary £150 per annum.

Apply, stating age, qualifications, experience, together with copies of three recent testimonials, on or before 6th June, to—

HERBERT J. DAFFORNE,
General Superintendent and Secretary.

## Clayton Hospital, Wakefield.

(140 Beds.)

Applications are invited for the post of HOUSE SURGEON for six months (renewable) commencing June 15th, 1940. Candidates should be of British nationality, Male and Single. Salary at the rate of £150 per annum, together with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be sent to the undersigned immediately.

T. F. W. MACKEOWN, Secretary-Superintendent.

## Bradford City Sanatorium, Grassington.

ASSISTANT MEDICAL OFFICER required.
Salary £175 per annum, plus board-residence.
This appointment is for one year only.

Application forms may be obtained from the Medical Officer of Health, Town Hall, Bradford, and should be returned to him not later than the 3rd June, 1940.

N. L. FLEMING, Town Clerk.

Town Hall, Bradford, 17th May, 1940.

## Northampton County Mental Hospital.

Applications are invited for the post of DEPUTY MEDICAL SUPERINTENDENT (Senior Assistant Medical Officer) at the County Mental Hospital, Berrywood, near Northampton.

Candidates must be registered Medical Practitioners, possessing a Diploma in Psychological Medicine or its equivalent, and must have had Mental Hospital experience.

Research is encouraged and a well-equipped laboratory with trained assistant is provided.

Salary £600, rising by £25 annually to £700 and £50 for the D.P.M., with unfurnished house, light, laundry, and garden produce valued at £100 yearly for superannuation purposes.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Applications, stating age and experience, together with copies of not more than three recent testimonials, to be sent not later than 12th June to the Medical Superintendent.

## Hertfordshire County Council.

WOMEN ASSISTANT SCHOOL MEDICAL OFFICERS.

Applications are invited from unmarried Women who are fully qualified Medical Practitioners (preferably holding a Diploma in Public Health) for a number of full-time posts which will shortly be vacant. The salary will be at the rate of £500 per annum, rising by annual increments of £25 to a maximum of £700 per annum, plus travelling expenses.

The duties will include the medical inspection and treatment of school-children, Maternity and Child Welfare Work, and other duties under the Public Health Acts, and previous experience in these is desirable.

The successful candidates will be required to undergo a medical examination and to produce a birth certificate.

Forms of application may be obtained from the Education Department, County Hall, Hertford, and should be returned not later than the 31st May, 1940.

Canvassing is not allowed and will disqualify any candidate.

ELTON LONGMORE, Clerk to the County Council.

Education Department, County Hall, Hertford,
16th May, 1940.

## The Jessop Hospital for Women,

SHEFFIELD. (151 Beds.)

The Board of Management invite applications for the post of SENIOR RESIDENT OFFICER, commencing 1st July, 1940.

Salary £150 per annum, plus board, residence, and laundry.

Previous resident experience essential.

The duties include charge of the Maternity Department (36 Beds) and general supervision of the Gynæcological Department.

Membership of a Medical Defence Society is a condition of appointment.

Applications, stating age and experience, with copies of recent testimonials, should be forwarded immediately to the undersigned.

DAVID OSWALD, Superintendent and Secretary.

## The Jessop Hospital for Women,

SHEFFIELD. (151 Beds.)

The Board of Management invite applications for the posts of HOUSE SURGEONS, commencing 1st July, 1940.

Salary £100 per annum, together with board, residence, and laundry.

Membership of a Medical Defence Society is a condition of appointment.

Applications, stating age, together with copies of testimonials, should be addressed to the undersigned immediately.

DAVID OSWALD, Superintendent and Secretary.

## The Jessop Hospital for Women,

SHEFFIELD. (151 Beds.)

The Board of Management invite applications for the post of RESIDENT ANÆSTHETIST (Female), commencing 1st July, 1940.

Salary £100 per annum, together with board, residence, and laundry.

The candidate appointed will be expected to carry out other House Surgeon duties.

Membership of a Medical Defence Society is a condition of appointment.

Applications, stating age, together with copies of testimonials, should be addressed to the undersigned immediately.

DAVID OSWALD, Superintendent and Secretary.

## Forster Green Hospital

FOR CONSUMPTION AND CHEST DISEASES, FORTBREDA, BELFAST.

A vacancy for a HOUSE PHYSICIAN will occur on 1st July. The appointment will be for a period of six months, renewable for a further six months.

Salary £150 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, to be sent to the Secretary, 99, Scottish Provident Buildings, Belfast, on or before Saturday, 15th June, 1940.

Canvassing will be a disqualification.

## Walsall General Hospital.

The Committee invite applications from Men for the post of HOUSE PHYSICIAN AND RESIDENT ASSISTANT PATHOLOGIST. Salary at the rate of £175 per annum.

WALTER FRANCOMBE, House Governor.

13th May, 1940.

## City and County of Newcastle

UPON TYNE.

NEWCASTLE GENERAL HOSPITAL. (900 Beds.)

RESIDENT SURGICAL OFFICER.

Applications are invited from duly qualified and registered Medical Practitioners for the above post. The appointment is temporary and will be made in the first instance for a period of one year, with the possibility of extension for further periods.

Applications will be considered from persons with potential service commitments which might not allow of their completing the full period of the appointment.

Candidates must have held surgical house appointments and have had a reasonable amount of surgical experience.

The salary in respect of the appointment will be £550 per annum, with board, lodging, &c.

Applications, stating age and qualifications, together with copies of not more than three recent testimonials, must be submitted immediately to the Medical Officer of Health, Town Hall, Newcastle upon Tyne, 1.

16th May, 1940.

## Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of HOUSE PHYSICIAN. The appointment will be for six months from July 1st, 1940, but is terminable at an earlier date by one month's written notice on either side. Salary will be at the rate of £130 per annum, with board, residence, and laundry.

Candidates (Male), who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four testimonials, to the undersigned on or before Wednesday, June 5th, 1940.

J. A. BEARDSALL, Secretary-Superintendent.

## Princess Royal (Emergency) Hospital,

SWANSEA. (140 Beds.)

Applications are invited for the appointment of a RESIDENT HOUSE PHYSICIAN (Male or Female).

Salary £200 per annum, with the usual residential emoluments.

Applications, stating qualifications, age, &c., accompanied by copies of recent testimonials, to be forwarded without delay to the Medical Superintendent.

## Bootle General Hospital,

BOOTLE, LIVERPOOL 20.

ONE HOUSE PHYSICIAN.
ONE HOUSE SURGEON.
ONE CASUALTY OFFICER.

Applications are invited for the above posts from the 1st June next. The salary attached to each post is £150 per annum, with board, residence, and laundry.

Applicants must be duly qualified and registered under the Medical Acts.

Applications, with copies of testimonials, should reach me as soon as possible.

A. J. COOPER, Secretary-Superintendent.

## The Corbett Hospital, Stourbridge.

100 Beds and Special Departments.

Applications are invited for the following posts which will become vacant on the 1st July next. HOUSE PHYSICIAN at a salary at the rate of £125 per annum, with board, laundry, &c. HOUSE SURGEON at a salary at the rate of £100 per annum, with board, laundry, &c. The appointments will be for a period of six months terminable by six weeks' notice. The Hospital has a Specialist Visiting Staff and Resident Surgical Officer. Applications, giving full details of qualifications, age, and experience, accompanied by three copies of testimonials, should be addressed to the undersigned forthwith.

W. G. H. WESTON, Secretary.

## County Borough of Preston.

SHAROE GREEN HOSPITAL.
(250 Beds.)

JUNIOR ASSISTANT RESIDENT MEDICAL OFFICER (Female).

Applications are invited from fully qualified and registered Practitioners for the above appointment. Salary at the rate of £100 or £150 per annum, according to experience, with full board and residence. The appointment will be for a period of six months and can be renewed for a period not exceeding six months.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be forwarded to the Medical Superintendent, Sharoe Green Hospital, Fulwood, Preston.

## Montagu Hospital, Mexborough.

(120 Beds. 3 Residents.)

Applications are invited for the combined post of RESIDENT HOUSE PHYSICIAN AND OBSTETRIC OFFICER (Lady), commencing salary £125 per annum, with the usual residential emoluments. The appointment is for six months and is renewable.

Applications, stating age, nationality, qualifications, and experience, accompanied with copy of testimonials, to be sent to the undersigned immediately.

A. LAYCOCK, Secretary-Superintendent.

## West Sussex County Council.

EMERGENCY HOSPITAL SCHEME.

JUNIOR HOUSE SURGEONS.

Applications are invited from Practitioners who have qualified within the last six months for the post of Junior House Surgeon at hospitals in Chichester and East Preston (near Littlehampton). These institutions are included in the Ministry of Health Emergency Hospital Scheme and the appointment of such staff as will be required, if casualties are received, is being carried out in accordance with the scheme formulated by the Central Medical War Committee.

Appointments will be made as required, and will be for six months in the first place. Salary at the rate of £200 per annum, plus board and lodging or an allowance in lieu thereof.

Applications, stating age, nationality, qualifications, and date free, accompanied by not more than two testimonials, should be sent to the undersigned.

T. C. HAYWARD, Clerk of the County Council.

County Hall, Chichester, 20th May, 1940.

## Manchester Ear Hospital,

Grosvenor-square, All Saints'. (30 Beds.)

The Board invite applications for the post of RESIDENT HOUSE SURGEON. Salary at the rate of £120 per annum. Candidates (Male or Female) must be duly qualified and registered.

Applications, with copies of four recent testimonials, to be forwarded to Mr. REGINALD S. MILFORD (Hon. Secretary, Manchester Ear Hospital), c/o Mr. W. J. Ellam, 17, Brazennose-street, Manchester, 2.

## The Royal Hospital, Wolverhampton.

(Incorporated under Royal Charter.)

Applications are invited for the following appointments:—

RESIDENT ANÆSTHETIST. Salary £200 per annum, duties to commence 20th June.

HOUSE PHYSICIAN. Salary £100 per annum, duties to commence 18th June.

HOUSE SURGEON (GENERAL SURGERY). Salary £100 per annum, duties to commence forthwith.

CASUALTY OFFICER. Salary £100 per annum, duties to commence forthwith.

The Hospital contains 300 Beds, includes the usual special departments, and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts and unmarried.

The appointments are for six months. Board, furnished room, and laundry provided.

Applications, with copies of testimonials, to be forwarded to the undersigned. W. H. HARPER, House Governor.

Wolverhampton, 20th May, 1940.

## Cameron Hospital, West Hartlepool.

(86 Beds.)

HOUSE SURGEON (Male or Female) required to commence duties immediately. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age, nationality, and experience, together with copies of testimonials, should be sent to the undersigned as soon as possible. C. S. KAY, Secretary.

## Hull Royal Infirmary.

Applications are invited for the post of CASUALTY OFFICER (Male). Salary £150 per annum, with board, residence, and laundry.

The appointment will be for a period of six months.

Applications, stating age, experience, and nationality, together with copies of testimonials, should be addressed to the undersigned.

R. J. CARLESS, House Governor.

## Caernarvonshire and Anglesey Infirmary

BANGOR (GENERAL HOSPITAL).

A SENIOR and a JUNIOR HOUSE SURGEON wanted ("A" House appointments.) Salaries respectively £160 and £134 per annum, with residence, board, and laundry. Duties to commence at once.

Applications, stating age, qualifications, and nationality, with two testimonials, should be addressed to the Secretary.

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## The Surgery of the Alimentary Tract

**By SIR HUGH DEVINE, M.S., Hon. F.R.C.S. Eng.**

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PART III.—ABDOMINAL EMERGENCIES WHICH MAY INVOLVE EITHER THE UPPER OR THE LOWER PART OF THE ABDOMEN

PART IV.—THE SURGERY OF THE LOWER PART OF THE ABDOMEN

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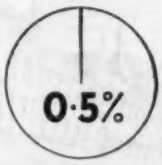


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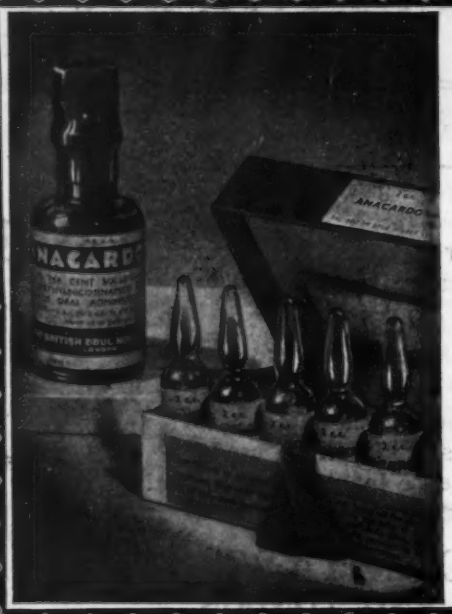


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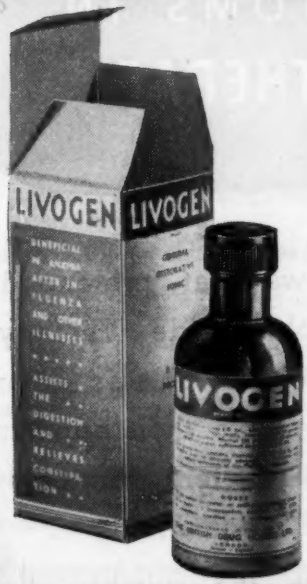


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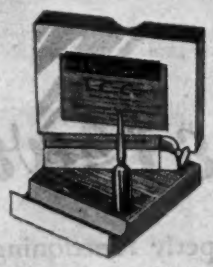

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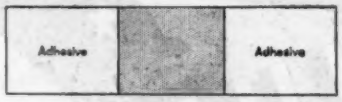


Piece of 'Elastoplast' Bandage showing centre portion rendered NON-adhesive by dabbing with cotton-wool.

Section showing 'Elastoplast' applied over a sterile dressing.

Section showing 'Elastoplast' cut up centre and turned back for examination and re-dressing of wound. Fix with clip or safety-pin.

The centre of the 'Elastoplast' is dabbed with cotton wool, thus rendering it non-adhesive, to an extent that will just cover the sterile dressing. This is then applied to the abdomen with the required tension, so that the non-adhesive portion covers the dressing.

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Where frequent change of dressing is required, an improved method is illustrated below.

Completed Dressing.

Dressing opened for inspection.

*(1) Rods. (2) Strips of 'Elastoplast' folded round the rods, so that the adhesive surface does not come in contact with dressing. (3) Rubber bands. (4) Dressing.*

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TRADE MARK

**THE MODERN SURGICAL DRESSING**

***Made by T. J. SMITH & NEPHEW, LTD., HULL***

*The name 'Elastoplast' is the registered trade mark of T. J. Smith & Nephew, Ltd.*

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*Soluble Hexobarbitone*

A BRITISH PREPARATION

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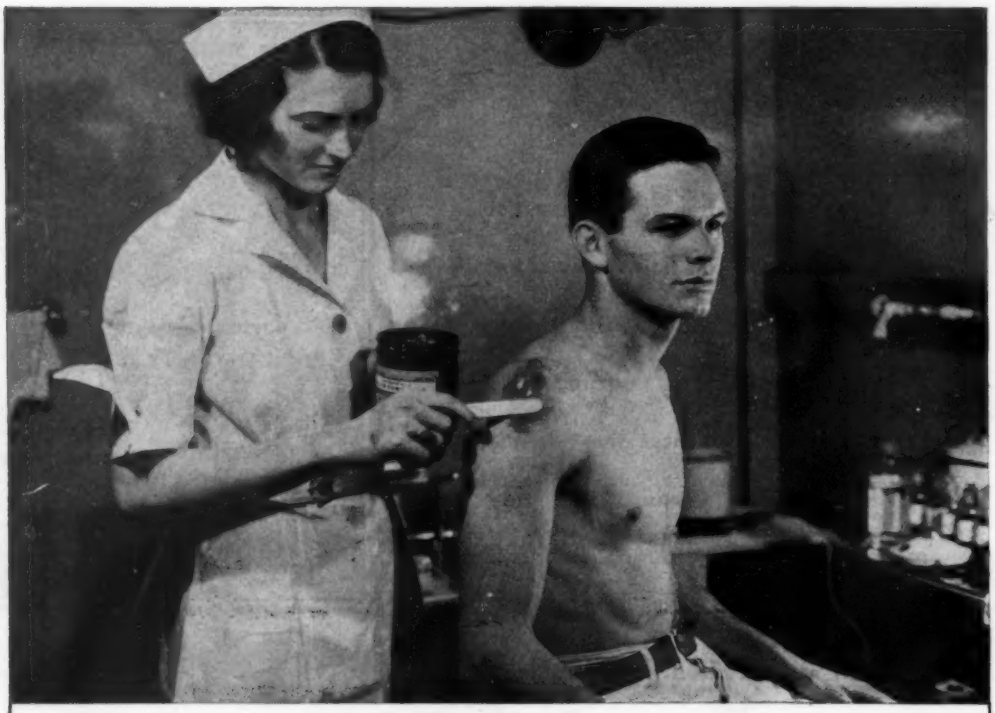

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Supplied in one-ounce and five-ounce tubes and in one-pound jars.

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A "two-dose" prophylactic prepared by precipitating with alum the antigenic fraction from formol toxoid of high immunising value. The first injection should be 0.1 to 0.2 cc. and the final injection 0.5 cc. after period of four to ten weeks. For children of eight years and under.

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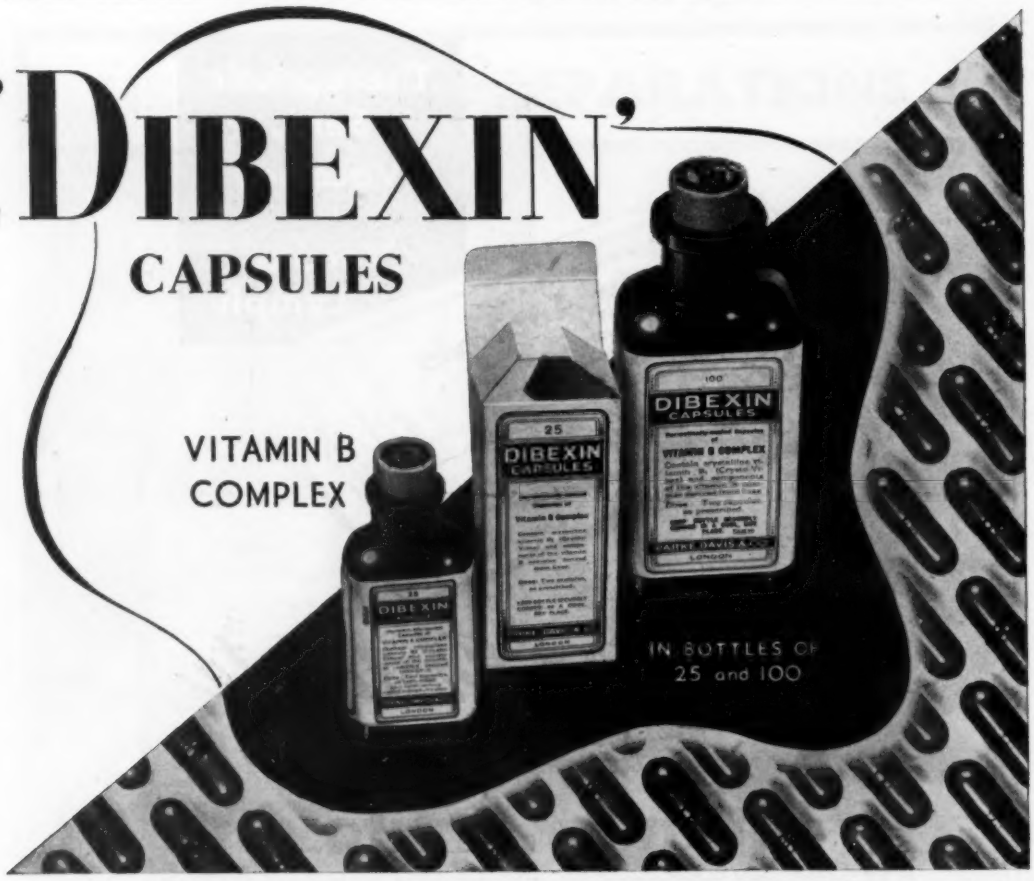


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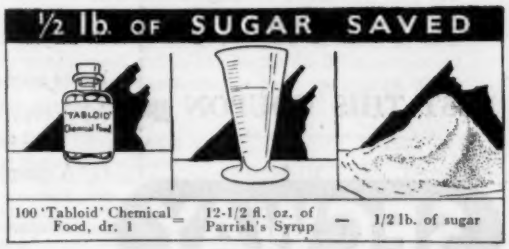


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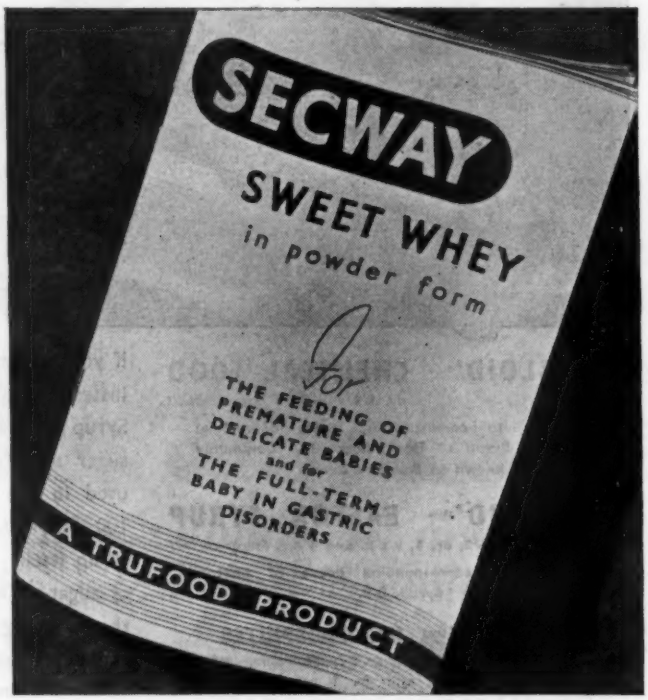


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* Macpherson, McCallum and Haultain, 1940, Brit. Med. J., 1, 839 (May 25).

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*J. AMER. MED. ASSOC. Vol. III. No. 5, page 390. July 30, 1938*

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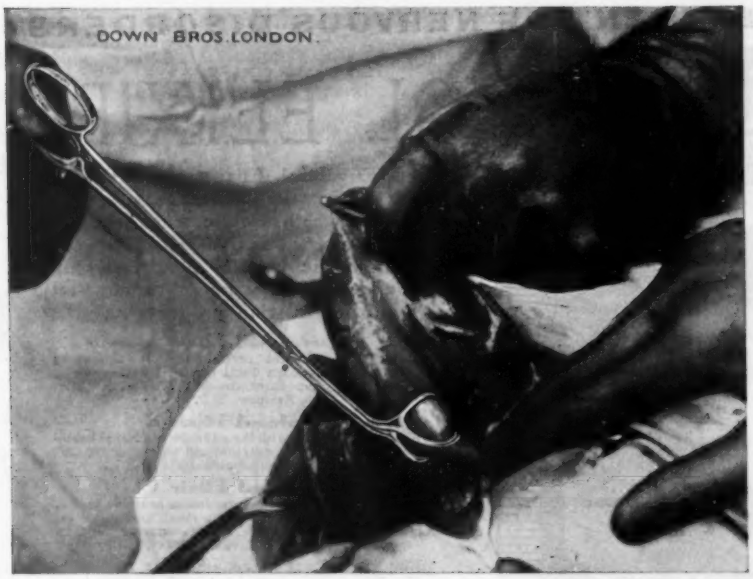


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SPECIAL TREATMENT (Insulin, Cardiazol, Triazol, &c.) is given to suitable cases.

OCCUPATIONAL THERAPY in the form of various Arts and Crafts is actively encouraged from the medical aspect and under the guidance of a competent instructress this department has proved most effective as a therapeutic factor in all stages of mental illness.

The promotion of physical fitness is a prominent item of treatment and this is enhanced by arrangements for patients to take part in Outdoor and Indoor Sports and Entertainments, and special attention is drawn to the physical drill and dancing classes which form part of the regular hospital routine.

Application should be made to the Physician-Superintendent.

# BRITISH POSTGRADUATE MEDICAL SCHOOL

## Course on CHEST SURGERY—10th to 14th JUNE, 1940

| | | |
|---|---|---|
| Monday, 10th June. | 10–11 A.M. | Introductory Lecture. |
| | 11–12.30 P.M. | Anatomy, Physiology, and Pathology of Wounds of Chest. |
| | 12.30–1.15 P.M. | Lunch. |
| | 1.15 P.M. | Bus to Royal College of Surgeons. |
| | 2–4 P.M. | Demonstration on Specimens of Gunshot Wounds. |
| Tuesday, 11th June. | 10–11.30 A.M. | The Surgery of the Open Thorax. |
| | 11.30–12.30 P.M. | Anæsthesia in Chest Surgery. |
| | 12.30–1.30 P.M. | Lunch. |
| | 1.30–2 P.M. | Instruments and Appliances Used or that can be Used in Chest Work. |
| | 2–4 P.M. | Operative Demonstrations on the Cadaver. |
| Wednesday, 12th June. | 10–11.15 A.M. | Gunshot Wounds of the Heart. |
| | 11.15–12.30 P.M. | Drainage of Pleural Cavity. |
| | 12.30–2 P.M. | Lunch. |
| Wednesday (contd.) | 2–3 P.M. | Thoracico-Abdominal Wounds. |
| | 3.15–4.15 P.M. | X-rays in Gunshot Wounds of the Chest. |
| Thursday, 13th June. | 10–11.15 A.M. | Closed Wounds of Chest, etc. |
| | 11.15–12.30 P.M. | Other Aspects of Closed Wounds of Chest and Collapse Therapy. |
| | 12.30–2 P.M. | Lunch. |
| | 2–4 P.M. | Operations on Cadaver, Mediastinum, Heart, etc. |
| Friday, 14th June. | 10–11.15 A.M. | Late Results of Gunshot Wounds. |
| | 11.15–12.30 P.M. | Technique of Operations for Removal of Foreign Bodies from Lung—Other Operations for Late Wounds, etc. |
| | 12.30–2 P.M. | Lunch. |
| | 2–4 P.M. | Miscellaneous Considerations Regarding Chest Surgery, followed by a General Discussion. |

Lecturers will be notified later.

The fee for the course will be £1 1s., but no fee will be charged in the case of Officers of the Armed Forces who submit a leave certificate and register their names before the commencement of the course.

Applications for tickets should be addressed to the Dean, British Postgraduate Medical School, Ducane Road, London, W.12.

## THE CLINICAL RESEARCH ASSOCIATION, LTD.

**WATERGATE HOUSE, 15 YORK BUILDINGS, ADELPHI, W.C.2, and SOUTH ROAD, HAYWARDS HEATH, SUSSEX.**

The Consulting Rooms and Laboratories of the Association (established in 1894) are available for all Medical Practitioners desiring Laboratory assistance in the investigation and diagnosis of cases under their care. Apparatus, with full instructions for collection of pathogenic material, will be forwarded immediately on application, or patients may attend at the Association's Consulting Rooms.

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M. CANDELET, Secretary.

# BRITISH POSTGRADUATE MEDICAL SCHOOL

(UNIVERSITY OF LONDON)

## Department of Surgery

A COURSE OF LECTURES AND PRACTICAL DEMONSTRATIONS ON THE

## TREATMENT OF FRACTURES WITH SPECIAL REFERENCE TO WAR CONDITIONS

will be given by Mr. R. WATSON JONES, M.Ch., F.R.C.S., of Liverpool

| 10 a.m. to 12 noon Clinical Lectures and Demonstrations | 12 noon to 1 p.m. Lunch | 1 p.m. to 2 p.m. Clinical Lectures and Demonstrations | 2 p.m. to 4 p.m. Practical Classes | 4 p.m. to 5 p.m. Questions and Discussions |
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|---|---|
| **Monday, 3rd June** | **General Principles of Fracture Treatment.** |
| **Tuesday, 4th June** | **Injuries of the Upper Limb.** |
| **Wednesday, 5th June** | **Injuries of the Lower Limb.** |
| **Thursday, 6th June** | **Injuries of Spine, Pelvis, and Hip-joint.** |
| **Friday, 7th June** | **Compound and Infected Fractures. Amputations.** |

The lecture on AMPUTATIONS will be given by Mr. JENNER VERRALL, F.R.C.S., of Roehampton.

The Course will be limited to a maximum of 40 students, and applications for admission to the Course should be submitted to the DEAN, BRITISH POSTGRADUATE MEDICAL SCHOOL, DUCANE ROAD, W.12.

The fee for the Course will be 5 guineas, but a limited number of officers of the Armed Forces will be admitted free, on the receipt of a leave certificate.

**Stations:** Wood Lane (Central London Railway), Ladbroke Grove (Metropolitan Railway) and No. 7 (Acton Vale) Bus.
**Buses:** No. 7 (Acton Vale), Nos. 72 and 105 to Bloemfontein Road, Westway. **Trolley-buses:** Nos. 628 and 630.

## M.I.S.Ch.—These designatory letters after a CHIROPODIST'S name indicate that he or she is a MEMBER of the INCORPORATED SOCIETY OF CHIROPODISTS.

Founded 1912. Patron: His Grace the Duke of Portland, K.G., P.C., G.C.V.O. The Society is a recognised qualifying body of the Board of Registration of Medical Auxiliaries, and its Panel of Examiners in Medical Subjects is approved by the Royal College of Physicians and Royal College of Surgeons of England respectively. The regulations of the Society PROHIBIT members from advertising, but names and addresses of chiropodists in the district who are Members of the Society, and also information regarding training for Membership, may be obtained from the Secretary, Incorporated Society of Chiropodists, 21, Cavendish-square, London, W.1. (Tele., Langham 3228.)

## THE ROYAL MEDICAL FOUNDATION OF EPSOM COLLEGE

NOTICE IS HEREBY GIVEN that the ANNUAL GENERAL MEETING OF GOVERNORS will be held at the OFFICE, 49, BEDFORD-SQUARE, LONDON, W.C.1, on Friday, 21st June, 1940, at 4 o'clock P.M., when the names of the PENSIONERS and FOUNDATION SCHOLARS appointed by the Conjoint Committee will be announced. Under the Acts of Incorporation, ten members of the Council will retire at this meeting. It will be proposed: (a) that the following be re-elected for a further period of three years: J. W. Carr, Esq., C.B.E., M.D., F.R.C.P., F.R.C.S.; R. Cove-Smith, Esq., M.A., M.B., M.R.C.P.; F. S. Fleuret, Esq., B.A., LL.B.; Sir William Hale-White, K.B.E., M.D., LL.D., F.R.C.P.; Lady Hutchison, M.B.; R. L. Langdon-Down, Esq., M.A., M.B., B.Ch.; Arnold Lyndon, Esq., O.B.E., M.D.; A. W. Ormond, Esq., C.B.E., F.R.C.S.; Julian Taylor, Esq., O.B.E., M.S.; and (b) that the Hon. W. S. Maclay, M.D., M.R.C.P., be elected to fill a vacancy. It will further be proposed: (i) that Colonel W. L. Crawford, D.S.O., be appointed a Vice-President; (ii) that Colonel Norman C. King, Mr. Horace H. Rew, and Mr. H. A. Decker, F.C.A., be appointed Auditors for the ensuing year; and (iii) that Bye-law 14 be amended so that the maximum income allowed to certain single applicants for pensions shall not exceed that permitted under the Old Age Pension Acts.

By Order of the Council.
W. L. GIFFARD (Major), Secretary.
Secretary's Office, Epsom College, 23rd May, 1940.

## SPRINGFIELD HOUSE

'Phone: BEDFORD 3417. **Near BEDFORD**

**For Mental Cases with or without Certificates.**

*Ordinary Terms: Five Guineas per week (including Separate Bedrooms for all suitable cases without extra charge).*

For forms of admission, &c., apply to the Resident Physician, CEDRIC W. BOWER.

INTERVIEWS IN LONDON BY APPOINTMENT.

## THE COPPICE, NOTTINGHAM.

HOSPITAL FOR MENTAL DISEASES.

President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

Telephone: 64117 Nottingham.

## HEIGHAM HALL, NORWICH

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL.
Telephone: 80 Norwich. Telegrams: Small, 80 Norwich

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**Church Stretton, Shropshire.**

ESTABLISHED IN 1853.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Patients under the provisions of the Mental Treatment Act, 1930. Bracing hill country. See "Medical Directory," p. 2358.—Apply to the Medical Superintendent. 'Phone 10 P.O., Church Stretton.

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CHERTSEY, SURREY

Reception area London 20 miles Grounds of 10 acres

A Private Home for Patients receiving Psychotherapy or other special mental treatment. Inclusive fees from 10 guineas

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In conjunction with the MALE NURSES' ASSN.

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## THE ARCHER NERVE TRAINING COLONY

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Started 35 years ago by the late Mrs. William Archer for the special treatment of **FUNCTIONAL NERVOUS DISORDERS** by a system of Relaxation correlated with training in Nerve Control. Home life in separate houses in charming grounds; 20 miles from London; Chalets for resting. Eurhythmics, Voice Production, Occupational Therapy, etc. **RECEPTION AREA, OFFICIAL AIR-RAID SHELTERS INSTALLED.**

All applications to the Secretary, King's Langley. Telephone: King's Langley 7519. The "**FRANCES ARCHER**" Centre, 30, Dorset Square, N.W.1 is temporarily closed.

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Telegraphic Address: "Relief, Old Catton." Telephone: 290 Norwich.

**NERVOUS & MENTAL AFFECTIONS**

*Ladies only received*

## The Grove, Old Catton, Norwich.

A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.

For full particulars apply to the Misses McLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

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## Littleton Hall, Brentwood, Essex.

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A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received.
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A modern country house NURSING HOME in Cornwall for the PREVENTION and TREATMENT of NERVOUS ILLNESSES. Six patients only taken; active therapy available. Fine situation on quiet inlet of sea.

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**FARMING and OPEN AIR OCCUPATION for PATIENTS**

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## CHISWICK HOUSE,

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Telephone: PINNER 234.

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.

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## BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

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A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

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## MALLING PLACE, KENT

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Terms moderate. Apply to Resident Medical Superintendent.
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# ST. ANDREW'S HOSPITAL

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*FOR THE UPPER AND MIDDLE CLASSES ONLY.*

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This Registered Hospital is situated in 130 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble; temporary patients, and certified patients of both sexes are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

### WANTAGE HOUSE

This is a Reception Hospital in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the complete investigation and treatment of Mental and Nervous Disorders by the most modern methods: insulin treatment is available for suitable cases. It contains special departments for hydrotherapy by various methods, including Turkish and Russian baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical baths, Plombieres treatment, etc. There is an Operating Theatre, a Dental Surgery, an X-Ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High-frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research. Psychotherapeutic treatment is employed when indicated.

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Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupational therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

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The seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North-West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout-fishing in the park.

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For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

# PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

**Telegrams: "Alleviated, London."** **Telephones: Rodney 2641 and 2642.**

The above House is for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified voluntary and temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. Occupational therapy, physical drill, and other forms of modern treatment. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor drives are arranged when required. Tennis courts. Entertainments, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT

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***For the treatment of MENTAL DISORDERS.***

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds. Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel. **Shock and also modified Insulin Therapy.**

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Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

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*A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.*

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

**CONVALESCENT HOME AT BOURNEMOUTH** Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 3216 and 3217.

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This Institution is situated in a beautiful and healthy locality within easy reach of London. It is fitted with every comfort. Patients can have Private Bedrooms and Special Nurses as well as the use of General Sitting Rooms, at moderate rates of payment. Voluntary Patients can be admitted.

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*For Terms, apply to—*

**The RESIDENT MEDICAL SUPERINTENDENT, St. Ann's Heath, Virginia Water, SURREY**

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**FINSBURY PARK, N.4**

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Six acres of ground facing Finsbury Park. Voluntary and Temporary Patients received without certification. Occupational Therapy, Psychotherapy, and other modern forms of treatment. Air-raid Shelters have been provided.

*Telephone:* Stamford Hill 2688. *Telegrams:* "SUBSIDIARY, LONDON."

Convalescent Home, KEARSNEY COURT, DOVER.

For further particulars apply to the MEDICAL SUPERINTENDENT.

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Specially built and licensed for the care and treatment of a limited number of Ladies and Gentlemen suffering from NERVOUS and MENTAL breakdown. Voluntary and certified patients received. Ladies also admitted as Temporary Patients without certification. Terms moderate. *Apply,* RESIDENT PHYSICIAN, who may be seen in Liverpool, by appointment. *Tel. No.* 8 *Formby.*

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**Residential treatment of**

## "Nervous Disorders" & Alcoholism

(Certifiable cases are not received)

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**FOR THE DIAGNOSIS AND TREATMENT OF ALL FORMS OF TUBERCULOSIS**

Managing Director: DAVID LAWSON, M.D., F.R.S.E.

Southern aspect. Low rainfall. Pure bracing air. Sheltered grounds. Beautiful surroundings. All modern equipment for diagnosis and treatment, including operating theatre. **No extra charge for X Rays, Artificial Pneumothorax, Ultra-Violet Light, or other special treatment.**

Day and night Nursing Staff. All bedrooms have central heating, electric light, hot and cold running water, and wireless (headphones). Comfortable and airy public rooms.

Medical Superintendent: R. Y. KEERS, M.D. Inclusive terms seven guineas per week.

Telephone: Cults 107. For prospectus apply to the Secretary.

## THE RETREAT, YORK

The Pioneer Hospital, opened 1796, for the humane treatment of those suffering from Nervous and Mental Disorder

This Hospital of 200 beds, administered by a Committee of the Society of Friends, combines what is best in the investigation and treatment of nervous illness with a sympathetic and friendly atmosphere. Last year 118 patients were admitted, of whom 84 were voluntary cases.

Much curative work is accomplished in our mental hospitals to-day and the recovery rate compares very favourably with that of our general hospitals.

For information and terms of admission apply to:—
The Physician Superintendent,
ARTHUR POOL, M.R.C.P.
(Telephone: York 7612)
who is available for consultation

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A Clinic for the diagnosis and treatment of Internal Diseases (except Mental or Infectious Diseases).

The Clinic is provided with a staff of doctors, technicians and nurses.

The surroundings are beautiful. The climate is mild. There is central heating throughout. The annual rainfall is 30·5 inches, that is, less than the average for England.

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**SPECIAL FEE FOR INVESTIGATION ONLY—30 GUINEAS**, including stay up to 10 days and report to doctor. For particulars, apply to

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*Telegrams:* Castle, Ruthin. *Telephone:* Ruthin 66.

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FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS

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FOR EARLY AND CONVALESCENT CASES Recreational Therapies are held daily by skilled Leaders

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*Telephones*—STARCROSS 59 and TEIGNMOUTH 289

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Separate Villa for patients suffering from the effects of alcoholism and drug addiction. Every facility for complete investigation and individual treatment on the most modern lines. Fully equipped gymnasium, golf course, and indoor swimming pool. Specially trained occupational and recreational therapists. **Special Department for Insulin Therapy.** As the hospital is well endowed terms are exceptionally moderate, e.g., First Department from 3 guineas per week, Second Department, 2 and 2½ guineas per week. Voluntary and certified patients are received. Medical Certificates given anywhere in the British Isles are valid for admission of patients. *For prospectus, necessary forms, and further information apply to:—*

Physician Superintendent, **P. K. McCowan**, J.P., M.D., F.R.C.P., D.P.M., Barrister-at-Law. *Tel.* Dumfries 1119.

## HAYDOCK LODGE,
## NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders, Alcoholism and Drug addiction, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

## CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

# THE PARK HOSPITAL

for

**FUNCTIONAL NERVOUS DISORDERS**

**OLD ROAD, HEADINGTON, OXFORD**

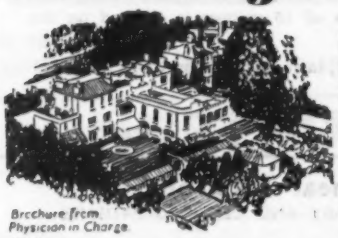
The above Hospital of 26 beds for patients of both sexes has recently been opened for the active treatment of neuroses, psychoneuroses, and allied disorders. Full facilities for special investigations are available.

The Hospital, which has extensive grounds, occupies a quiet and healthy situation on the outskirts of Oxford.

Fees are from £4 . 14 . 6 per week.

*Applications for admission should be made to The Medical Director, R. G. McInnes, Esq., M.R.C.P.E., D.Psych. Telephone: 6599 Oxford.*

# Sunnyside



Brochure from Physician in Charge.

Delightfully situated at the foot of the South Downs (Safe Area). Specially caters for patients convalescent or requiring a restful holiday combined with facilities for treatment by Massage, Foam and other baths, Electrical (including ultra-short wave diathermy) and other physical methods. Electric lift. Medical Practitioners cordially invited to visit

# Restorium

HASSOCKS - - SUSSEX 'Phone 103

*(in association with fully licensed Downs Hotel)*

# ALCOHOLISM

*Drug Habits, and Nervous Disorders*

25 minutes from London, situated in charming grounds and country, is a "home from home" for those seeking rest and treatment under medical supervision. Fees from 6 guineas. Illustrated brochure on application to the matron.

**CHISLEHURST 451**

# OLD HILL HOUSE

**CHISLEHURST, KENT.**

## London County Council.

Applications invited from Medical Practitioners for undermentioned positions with general medical or surgical duties in the Council's general and special hospitals. Married quarters not available.

TEMPORARY ASSISTANT MEDICAL OFFICERS (Class I).—Salary £350–£25–£425.

TEMPORARY ASSISTANT MEDICAL OFFICERS (Class II).—Salary £250.

HOUSE PHYSICIANS/SURGEONS.—Salary £120.

All positions are with board, lodging, and washing.

Application forms obtainable (stamped addressed foolscap envelope necessary) from the Medical Officer of Health, Staff Division 2, County Hall, S.E.1, returnable by 17th June.

Canvassing disqualifies.



## CITY OF LONDON MENTAL HOSPITAL

**Near DARTFORD, KENT.**

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of £2 9s., and upwards.

## FENSTANTON, at "FIVE DIAMONDS," Chalfont St. Giles, Bucks.

A Private Home for the Care and Treatment of a limited number of LADIES with Mental and Nervous Disorders. Certified, Voluntary, and Temporary Patients received. Mansion with 12 acres of ground. (*See Medical Directory*, p. 2346.) Apply Resident Physician. Telephone: Little Chalfont 2046. Station: Chalfont and Latimer.

## PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

## London County Council.

Applications invited from Medical Practitioners of at least one year's standing for undermentioned position. Experience in a resident appointment in a general hospital for at least six months desirable. Married quarters not available.

TEMPORARY ASSISTANT MEDICAL OFFICER (Class I).

Salary £350–£25–£425, with board, lodging, and washing.

KING GEORGE V SANATORIUM, near GODALMING, SURREY.

Experience in treatment of Pulmonary Tuberculosis essential.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2, County Hall, S.E.1, returnable by 10th June.

Canvassing disqualifies.

## London County Council.

VISITING MEDICAL OFFICER (Man or Woman) required at LEYTONSTONE HOUSE, High-road, E.11 (Institution for Female Mental Defectives). Duties include daily attendance at the Institution at a fixed time and at such other times as may be necessary. Candidates must be registered Medical Practitioners and must reside within easy reach of the Institution. Rate of pay is calculated according to number of patients and staff resident and will probably average about £135 a year.

For application form, returnable by 8th June, send stamped addressed foolscap envelope to Chief Officer (B/A), Mental Hospitals Department, County Hall, S.E.1.

Canvassing disqualifies. Married women eligible.

## Metropolitan Hospital, London, E.8.

Applications are invited for the post of RESIDENT HOUSE OFFICER.

The appointment is for six months. Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, &c., together with testimonials, should be sent to the undersigned now.

FRANK JENNINGS, House Governor and Secretary.

## British Postgraduate Medical School.

DEPARTMENT OF SURGERY.

There is a vacancy for a Temporary FIRST ASSISTANT in the surgical unit of the British Postgraduate Medical School. Candidates must be Fellows of the Royal College of Surgeons and have had some teaching experience. The duties include charge of beds and teaching of postgraduate students. The salary is at the rate of £300 per annum, plus £200 per annum war bonus. The successful candidate will be expected to devote his whole time to the duties. Further particulars may be obtained from the Dean.

Applications should be submitted to the Dean, British Postgraduate Medical School, Ducane-road, London, W.12, not later than Wednesday, 12th June, 1940.

## Queen's Hospital for Children,

Hackney-road, E.2.

HOUSE PHYSICIAN required immediately.

CASUALTY OFFICER required immediately.

Six months' appointments. Salary at rate of £100 per annum, with board, lodging, and laundry. Candidates must be prepared to participate in the Emergency Hospital arrangements in connexion with which beds have been reserved and in respect of which additional remuneration is payable.

Applications must be made on forms to be obtained from the undersigned and be sent in, with copies of not more than two testimonials, as soon as possible.

CHARLES H. BESSELL, Secretary.

# UNIVERSITY EXAMINATION POSTAL INSTITUTION

Founded in 1882 by E. S. WEYMOUTH, M.A.

**Postal or Oral Preparation for all Medical Examinations.**

## SOME SUCCESSES

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| M.D. (Lond.), 1901-39 (11 Gold Medallists 1913-39) .. | 427 |
| M.S. (Lond.), 1901-39 (including 4 Gold Medallists) .. | 24 |
| M.B., B.S. (Lond.), *Final*, 1901-39 (completed exam.).. | 368 |
| F.R.C.S. (Eng.), 1901-39 .. Primary 300 ; Final | 240 |
| D.P.H. (various), 1901-39 (completed exam.) .. .. | 366 |
| F.R.C.S. (Edin.), 1901-39 .. .. .. .. .. .. | 90 |
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M.D. (various), by Thesis. Many Successes.

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**MEDICAL PROSPECTUS (36 pages),**

sent gratis, along with List of Tutors, &c., on application to the Principal, 17, Red Lion-square, London, W.C.1. (Telephone: Holborn 6313.)


## The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of SECOND ASSISTANT PATHOLOGIST, to commence duties on July 1st.

Salary £300 per annum. The appointment is for twelve months and subject to rules, a copy of which may be obtained from the Secretary.

Applications, to be made on a form which will be supplied by the Secretary, together with copies only of three recent testimonials, to be sent to the Secretary not later than the first post on Monday, June 10th.

CLEMENT COBBOLD, Secretary.

## Dreadnought Hospital, Greenwich,

S.E.10. (Seamen's Hospital Society.)

RESIDENT RECEIVING-ROOM OFFICER (Male) required immediately for six months, designated "B" appointment. Salary at not less than £180 per annum, with board, residence, laundry, &c.

Applications, stating age and previous experience, with copies of three recent testimonials, to be sent to the undersigned.

27th May, 1940. F. A. LYON, Secretary.

## The Willesden General Hospital,

Harlesden-road, N.W.10.

Applications are invited from fully qualified and registered candidates (unmarried) for the appointment of CASUALTY OFFICER for a period of three months from the 1st July, 1940, followed by an appointment of three or six months as House Surgeon. Salary at the rate of £100 per annum, plus E.M.S. grant.

Applications to be received by the Secretary not later than first post on Friday, 14th June, 1940.

## Middlesex County Council.

(1) RESIDENT PHYSICIAN M.R.C.P. (locum for several months), good medical experience, for NORTH MIDDLESEX COUNTY HOSPITAL, Silver-street, Edmonton, N.18. Large general hospital, with approximately 1500 Beds. Salary £10 10s. per week. Residential emoluments. Application to Medical Superintendent of Hospital not later than 8th June.

(2) RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER,*† also for North Middlesex County Hospital. Must be registered Medical Practitioner, and held general hospital appointments. Salary £250 per annum. Whole-time general medical and surgical duties under Medical Superintendent. Appointment for six months, may be extended for further six months. Successful candidate to begin work about 17th July.

(3) RESIDENT ASSISTANT MEDICAL OFFICER*† for CHASE FARM EMERGENCY HOSPITAL, The Ridgeway, Enfield. Must have general surgical experience as House Surgeon or Resident Surgical Officer. Salary £400–£25–£475 per annum. Whole-time duties as County Council may direct under Medical Superintendent. For four years only.

* Subject to medical examination and one month's notice. Board, lodging, and laundry.

† Application to the undersigned not later than 15th June.

No application forms provided. Relationship to any member or officer of the Council to be disclosed. Copies of not more than three recent testimonials.

Canvassing, directly or indirectly, will disqualify.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Guildhall, Westminster, S.W.1.

## Middlesex County Council.

PUBLIC HEALTH DEPARTMENT,
10, Great George-street, Westminster, S.W.1, and at Hendon.

Additional ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH required. Must be Medical Practitioner with Degree or Diploma in Sanitary Science, Public Health or State Medicine; previous hospital appointments, good knowledge of clinical medicine and public health organisation and practical experience in public health administration and A.R.P. medical services. Unestablished with prospect of transfer to established staff after the war. Subject to medical examination.

Salary £800–£50–£1000 per annum and reasonable out-of-pocket travelling expenses. Three months' notice on either side. Duties on central staff under supervision and control of County Medical Officer. Whole-time, no other appointments or private practice permitted.

Application to the undersigned not later than 8th June, 1940. Relationship to any member or officer of the Council to be disclosed. Copies of not more than three recent testimonials. Canvassing, directly or indirectly, will disqualify. Endorse envelope "Asst. C.M.O."

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Guildhall, Westminster, S.W.1.

## Middlesex County Council.

SENIOR ANÆSTHETIST required for WEST MIDDLESEX COUNTY HOSPITAL, ISLEWORTH, MIDDLESEX (5000 operations annually). Must be registered Medical Practitioner, skilled in administration of anæsthetics by modern methods. Diploma in anæsthetics preferable. Whole-time duties under direction of Medical Superintendent, including teaching nurses and post-graduate medical students. Appointment established and pensionable, non-resident but required to reside within a short distance of Hospital. Subject to medical examination and three months' notice.

Salary £650 ×£50–£1000 per annum (inclusive, any fees received paid to Council).

Application to the undersigned not later than 8th June. No application forms provided. Relationship to any member or officer of Council to be disclosed. Copies of not more than three recent testimonials. Canvassing directly or indirectly will disqualify.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Guildhall, Westminster, S.W.1.

## Metropolitan Borough of Shoreditch.

TEMPORARY MEDICAL OFFICER (A.R.P.).

Applications are invited for the post of Temporary Medical Officer (Male) to be engaged on specific A.R.P. duties. The duties of the post will be concerned chiefly with the training of A.R.P. personnel and casualty service work, and the Medical Officer will be expected to train sub-instructors, assist with competitions, and generally coördinate the training of the street casualty services. The salary will be at the rate of £550 per annum, and the appointment will be terminable by three months' notice in writing on either side. Previous A.R.P. experience under a local authority or of casualty work in the field is not essential but would be taken into consideration.

Applications should be made on the prescribed form to be obtained from the Medical Officer of Health, Town Hall, Old-street, E.C.1, and should be returned to him, together with copies of three testimonials, endorsed "A.R.P. Medical Officer," not later than Wednesday, 12th June, 1940.

R. CYRIL RAY, Town Clerk.
Town Hall, Old-street, E.C.1, 28th May, 1940.

## Queen Mary's Hospital for the East

END, Stratford, E.15.

Applications are invited from fully qualified and registered Medical Men for the following posts :—

| *Post.* | *Salary.* |
|---|---|
| One HOUSE PHYSICIAN .. .. | £130 per annum. |
| Two HOUSE SURGEONS .. .. | £130 per annum. |
| Two CASUALTY OFFICERS .. | £140 per annum. |

The appointments will date from the 1st of July, 1940, and will be for six months.

Candidates, who must be single, should send applications, together with copies of testimonials, to the undersigned not later than Friday, the 14th of June, 1940.

BERNARD T. HEMPEL, Captain, Chairman.

## St. John's Hospital, Lewisham, S.E.13.

Applications are invited for the resident appointment of HOUSE SURGEON (Male) tenable for six months from the 1st July, 1940. Salary £100 per annum.

Applications, with copies of testimonials, should be addressed to the undersigned as soon as possible. There will be a similar vacancy for a Casualty Officer on August 1st.

J. C. GILBERT, Secretary.

## Golden Square Throat, Nose and Ear

HOSPITAL, London, W.1.

Applications are invited for the post of HOUSE SURGEON (male). Salary at the rate of £100 per annum, with board, residence and laundry.

Applications, stating age, qualifications, and experience, should be sent to the undersigned as soon as possible and in any case not later than 10th June.

JOHN H. YOUNG, Secretary-Superintendent.

## King Edward Memorial Hospital,
Mattock-lane, Ealing, W.13.

CASUALTY OFFICER AND HOUSE SURGEON (Male) required immediately to undertake casualty duties and act as House Surgeon for orthopædics, children, and eyes. Six months' appointment with possibility of re-election for a further period. Salary £150 per annum, with usual residential emoluments.

Applications, stating age, experience, and qualifications, together with copies of two recent testimonials, should be sent to the undersigned immediately.

R. A. MICKELWRIGHT, House Governor.

## King Edward Memorial Hospital,
Mattock-lane, Ealing, W.13.

CASUALTY OFFICER AND DEPUTY RESIDENT MEDICAL OFFICER (Male) required immediately; six months' appointment with possibility of re-election for a further period. Salary £225 per annum, with usual residential emoluments.

Applications, stating age, experience, and qualifications, together with copies of two recent testimonials, should be sent to the undersigned immediately.

R. A. MICKELWRIGHT, House Governor.

## Tilbury Hospital, Tilbury, Essex.

The Committee of Management of the Seamen's Hospital Society will receive applications for the post of RESIDENT HOUSE OFFICER. "A" For the six months commencing 1st June, 1940. Salary at the rate of £200 per annum, with board, residence, and laundry. Applications, to be forwarded immediately to the undersigned with copies of not more than three recent testimonials.

F. A. LYON, Secretary.

Seamen's Hospital Society, Greenwich, S.E.10,
27th May, 1940.

## Borough of Barking.

DEPUTY MEDICAL OFFICER OF HEALTH.

Applications are invited before the 10th June, 1940, from qualified Medical Practitioners for the designated appointment of Deputy Medical Officer of Health and Deputy School Medical Officer.

Candidates must have had experience in public health work and must hold a registrable qualification in public health.

Salary: scale £725–£25–£800.

Particulars of duties and application form may be obtained from the undersigned.

AIR-RAID PRECAUTIONS.
APPOINTMENT OF TEMPORARY ASSISTANT MEDICAL OFFICER.

Applications are invited from qualified Medical Practitioners for the appointment of Temporary Assistant Medical Officer in connexion with the Council's Scheme for Air-raid Precautions.

The salary will be in accordance with the scale £500–£700 per annum, rising by annual increments of £25, and the appointment will be terminable by one month's notice on either side.

The person appointed will be required to reside within the district.

Application forms may be obtained from the undersigned, to whom they should be returned, together with copies of three recent testimonials, not later than 10th June, 1940.

S. A. JEWERS, Town Clerk.

Town Hall, Barking.

## County Borough of Croydon.
WARLINGHAM PARK HOSPITAL, SURREY.

APPOINTMENT OF A SENIOR MEDICAL OFFICER.

The Visiting Committee of the Warlingham Park Hospital, a hospital provided under the Lunacy and Mental Treatment Acts, 1890 to 1930, are prepared to receive applications from Medical Men not exceeding thirty-five years of age, holding a Diploma in Psychological Medicine, for the appointment of a Senior Medical Officer at the Warlingham Park Hospital. The salary will be at the rate of £600 per annum, rising by annual increments of £25 to a maximum of £675 per annum. Furnished apartments will be provided, with board and washing, and for the purpose of superannuation will be valued at £150 per annum. No married quarters are provided, but extensions to the Hospital are under consideration which include a house intended for the officer appointed. Candidates must be registered under the Medical Act and preference will be given to those candidates who have held the post of House Surgeon or House Physician at a General Hospital. The appointment will be subject to the provisions of the Asylum Officers' Superannuation Act, 1909. Canvassing, in any form, is prohibited.

Forms of application may be obtained from me by sending a stamped addressed foolscap envelope. The closing date for receiving applications is the 10th June, 1940, not later than 10 A.M.

E. TABERNER, Clerk to the Visiting Committee.

Town Hall, Croydon, May, 1940.

## Royal Eye and Ear Hospital, Bradford.

HOUSE SURGEON (Male or Female) wanted immediately for EAR, NOSE, AND THROAT DEPARTMENT. Salary £180, with board, residence, and laundry.

Applications, stating age, experience, and copies of testimonials, to be forwarded to the undersigned.

F. BRIGGS, Secretary-Superintendent.

## Surrey County Council.
PUBLIC HEALTH DEPARTMENT.

ASSISTANT MEDICAL OFFICER (OBSTETRICAL).

Applications are invited for the above temporary resident appointment at REDHILL COUNTY HOSPITAL, Earlswood Common, Redhill, which has 40 Obstetric Beds. The duties will be primarily obstetrical, and the salary will be at the rate of £350 per annum, plus full residential emoluments valued at £125 per annum.

The appointment will be available for the duration of the war, as the permanent obstetrical officer has been transferred to a special war-time appointment.

Applications, stating age and experience, and enclosing copies of not more than three testimonials, should be sent to the Medical Superintendent of the Hospital so as to reach him not later than the 7th June, 1940.

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-upon-Thames, 31st May, 1940.

## Royal Berkshire Hospital, Reading.

Applications are invited for the post of HOUSE SURGEON (Male) now vacant. The appointment is for six months and candidates must be fully qualified and registered. Remuneration at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age and experience, with copies of testimonials, to be sent to the undersigned as soon as possible.

H. E. RYAN, Secretary and House Governor.

## Cameron Hospital, West Hartlepool.
(86 Beds.)

HOUSE SURGEON (Male or Female) required to commence duties immediately. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age, nationality, and experience, together with copies of testimonials, should be sent to the undersigned as soon as possible. C. S. KAY, Secretary.

## The Royal Hospital, Wolverhampton.
(Incorporated under Royal Charter.)

Applications are invited for the following appointments:—

RESIDENT ANÆSTHETIST. Salary £200 per annum, duties to commence 20th June.

HOUSE PHYSICIAN. Salary £100 per annum, duties to commence 18th June.

CASUALTY OFFICER. Salary £100 per annum, duties to commence forthwith.

The Hospital contains 300 Beds, includes the usual special departments, and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts and unmarried.

The appointments are for six months. Board, furnished room, and laundry provided.

Applications, with copies of testimonials, to be forwarded to the undersigned. W. H. HARPER, House Governor.

Wolverhampton, 27th May, 1940.

## York County Hospital.
(222 Beds.)

Applications are invited for the following resident posts:—

(a) HOUSE SURGEON.
(b) ORTHOPÆDIC HOUSE SURGEON AND CASUALTY OFFICER.
(c) HOUSE SURGEON to the EYE, EAR, NOSE, AND THROAT DEPARTMENT.
(d) HOUSE PHYSICIAN.

The salary attaching to each post is £150 per annum, with board, residence, and laundry.

Applications, stating age and previous experience, together with copies of not more than three recent testimonials, to be sent to the undersigned immediately.

J. R. MACKRILL, Secretary.

## Kent and Sussex Hospital,
TUNBRIDGE WELLS.
(210 Beds.)

Applications are invited for the post of HOUSE SURGEON and CASUALTY OFFICER. Salary £150–£200 per annum with board residence and laundry in the Hospital.

The Hospital includes the following Departments: Medical, Surgical, Ear, Nose and Throat, Ophthalmic, Orthopædic and Fracture Clinic, Gynæcological, X-Ray and Electro-Therapeutic, Massage, Pathological, Venereal Diseases, &c.

The successful candidate will be required to take up duties on Saturday, 8th June, 1940.

Applications, stating qualifications, together with Certificate of Registration and copies of not more than three recent testimonials, should be sent to the undersigned as soon as possible.

TOM B. HARRISON, Superintendent-Secretary.

29th May, 1940.

## The Lawn, Lincoln.

ASSISTANT MEDICAL OFFICER required. Medical Woman, with Mental Hospital experience or working for D.P.M. preferred. Salary £300 per annum, with emoluments.

Apply, Medical Superintendent, The Lawn, Lincoln.

## The Jessop Hospital for Women,
SHEFFIELD. (151 Beds.)

The Board of Management invite applications for the post of SENIOR RESIDENT OFFICER, commencing 1st July, 1940.
Salary £150 per annum, plus board, residence, and laundry.
Previous resident experience essential.
The duties include charge of the Maternity Department (36 Beds) and general supervision of the Gynæcological Department.
Membership of a Medical Defence Society is a condition of appointment.
Applications, stating age and experience, with copies of recent testimonials, should be forwarded immediately to the undersigned.

DAVID OSWALD, Superintendent and Secretary.

## The Jessop Hospital for Women,
SHEFFIELD. (151 Beds.)

The Board of Management invite applications for the posts of HOUSE SURGEONS, commencing 1st July, 1940.
Salary £100 per annum, together with board, residence, and laundry.
Membership of a Medical Defence Society is a condition of appointment.
Applications, stating age, together with copies of testimonials, should be addressed to the undersigned immediately.

DAVID OSWALD, Superintendent and Secretary.

## The Jessop Hospital for Women,
SHEFFIELD. (151 Beds.)

The Board of Management invite applications for the post of RESIDENT ANÆSTHETIST (Female), commencing 1st July, 1940.
Salary £100 per annum, together with board, residence, and laundry.
The candidate appointed will be expected to carry out other House Surgeon duties.
Membership of a Medical Defence Society is a condition of appointment.
Applications, stating age, together with copies of testimonials, should be addressed to the undersigned immediately.

DAVID OSWALD, Superintendent and Secretary.

## Northampton County Mental Hospital.

Applications are invited for the post of DEPUTY MEDICAL SUPERINTENDENT (Senior Assistant Medical Officer) at the County Mental Hospital, Berrywood, near Northampton.
Candidates must be registered Medical Practitioners, possessing a Diploma in Psychological Medicine or its equivalent, and must have had Mental Hospital experience.
Research is encouraged and a well-equipped laboratory with trained assistant is provided.
Salary £600, rising by £25 annually to £700 and £50 for the D.P.M., with unfurnished house, light, laundry, and garden produce valued at £100 yearly for superannuation purposes.
The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909.
Applications, stating age and experience, together with copies of not more than three recent testimonials, to be sent not later than 12th June to the Medical Superintendent.

## Northampton General Hospital.
(381 Beds.)

There is a vacancy for a HOUSE SURGEON (Male or Female). Salary will be at the rate of £150 per annum, with board, residence, and laundry. Candidates must be duly qualified and registered, and of British nationality.
The successful candidate will be appointed for the period ending 30th September, 1940, and will be eligible for re-election for a further period of six months.
Applications, stating age, qualifications, &c., with copies of three testimonials, must reach the undersigned not later than the first post on Wednesday, 5th June.

GORDON S. STURTRIDGE, M.B., Superintendent.
20th May, 1940.

## North Riding Infirmary, Middlesbrough
(General Hospital, 143 Beds. Three Residents.)

Applications are invited for the posts of CASUALTY OFFICER and HOUSE PHYSICIAN (Male or Female) for a period of six months, renewable. Duties of the house physician also include the administration of a number of anæsthetics.
Salaries are at the rate of £150 and £140 per annum respectively with board residence and laundry. Candidates must be unmarried and of British nationality. Duties to commence immediately. Applications, stating age, qualifications and experience, together with copies of three recent testimonials, should be sent to the undersigned forthwith.

GERALD A. KENYON, Secretary-Superintendent.

## Caernarvonshire and Anglesey Infirmary
BANGOR (GENERAL HOSPITAL).

A SENIOR and a JUNIOR HOUSE SURGEON wanted ("A" House appointments.) Salaries respectively £160 and £130 per annum, with residence, board, and laundry. Duties to commence at once.
Applications, stating age, qualifications, and nationality, with two testimonials, should be addressed to the Secretary.
Good opportunity for Medical and Surgical experience.

## General Hospital, Nottingham.
(389 Beds.)
EAR, NOSE, AND THROAT DEPARTMENT.

A HOUSE SURGEON (Male or Female) is required for the above department containing 40 Beds and a large Out-patient Department. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.
Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned immediately.
Duties to commence as soon as possible.

HENRY M. STANLEY, House Governor and Secretary.

## General Hospital, Nottingham.
(389 Beds.)

A RESIDENT CASUALTY OFFICER (Male or Female) is required at the above Institution. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.
Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned. Duties to commence as soon as possible.

H. M. STANLEY, House Governor and Secretary.

## Nottingham and Midland Eye
INFIRMARY.

RESIDENT HOUSE SURGEON required end of May. 54 Beds. Large Out-patient Department. Salary £200 per annum, with board and laundry. Post recognised for D.O.M.S.
Applicants should state age, qualifications, experience, and send copies of three testimonials to the Secretary, The Ropewalk, Nottingham.

## The Nottingham Hospital for Women.

HOUSE SURGEON (Female) required to commence duties early June, 1940. Appointment for period of not less than six months. Salary at the rate of £150 per annum, with board, residence, and laundry. Previous hospital experience essential.
Applications, stating age, experience, and qualifications, accompanied by copies of three recent testimonials, to be sent forthwith to the Secretary, Mr. A. L. MORELL, Burton Buildings, Upper Parliament-street, Nottingham.

## Gloucestershire County Council.

ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH.

Gloucestershire County Council invite applications for the appointment of an Assistant County Medical Officer of Health. The salary will be on the scale of £600 per annum by £25 to £700 per annum. Travelling and subsistence allowances will be paid in accordance with the Council's scale. The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination by the Council's medical adviser. Applicants must be registered Medical Practitioners and should hold a Diploma in Public Health. Previous experience in various branches of public health and school medical work is desirable.
Forms of application, with particulars of the duties and conditions of appointment, may be obtained from the County Medical Officer of Health, Shire Hall, Gloucester, to whom completed applications, with copies of three recent testimonials, should be sent not later than the 8th June, 1940.
Canvassing, directly or indirectly, will disqualify.

RICHARD L. MOON, Clerk of the County Council.

## Ancoats Hospital, Manchester, 4.

RESIDENT MEDICAL OFFICER required (Male or Female). A "B" appointment. Previous experience necessary. Appointment for six months from 1st July. Salary £150 per annum.
Apply, stating age, qualifications, experience, together with copies of three recent testimonials, on or before 6th June, to—

HERBERT J. DAFFORNE,
General Superintendent and Secretary.

## Hull Royal Infirmary.

Applications are invited for the post of CASUALTY OFFICER (Male). Salary £150 per annum, with board, residence, and laundry.
The appointment will be for a period of six months.
Applications, stating age, experience, and nationality, together with copies of testimonials, should be addressed to the undersigned.

R. J. CARLESS, House Governor.

## The Children's Hospital, Sheffield.
(INC.). (157 Beds.)

Applications are invited for the post of HOUSE SURGEON, vacant 1st June, 1940.
The appointment is for six months. Salary £100 per annum, with board, residence, and laundry.
Candidates (unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

## Barbados General Hospital.

WANTED.

A duly qualified Medical Practitioner as HOUSE SURGEON of the Barbados General Hospital (284 Beds). A man who has had experience in administering Anæsthetics preferred.

Salary £325 per annum, with quarters fully furnished for a single man, free water, lighting allowance, and no local rates.

The appointment, which is renewable, will be for either three, two, or one-and-a-half years, subject to three months' notice on either side to terminate the engagement. Candidates must state whether they wish to engage for three, two, or one-and-a-half years.

First-class passage direct to Barbados will be paid by the Hospital Board for a full term of service, a proportionate part to be refunded in case of service for a shorter period.

Applications, accompanied by a photograph, a medical certificate of physical fitness at the time of application, and recent professional and personal testimonials stating age and date of graduation, will be received not later than 15th June, 1940, and should be addressed to the Medical Superintendent, General Hospital, Barbados, B.W.I., from whom further particulars may be obtained.

Canadian graduates must hold qualifications registrable in England.

Candidates holding a United States degree must be registered in the State of New York.

By order.

W. GOODMAN, Secretary.

## County Council of Durham.

EARL'S HOUSE SANATORIUM.

TEMPORARY RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Temporary Resident Medical Officer of Earl's House Sanatorium for Boys, near Durham, which has accommodation for about 80 patients.

The salary in the case of a single person will be at the rate of £500 per annum, rising by annual increments of £25 to £550 per annum, with board, residence, and laundry (valued at £150 per annum) in addition. The salary for a married man will be at the rate of £650 per annum, rising by annual increments of £25 to £700 per annum; the emoluments will be paid in cash, as there is accommodation for which a charge of £45 per annum, inclusive, is made by the County Council.

The officer appointed must be a registered Medical Practitioner and must devote his (her) whole time to the duties required of such person by the County Council, including part-time services as a District Tuberculosis Medical Officer. It is essential that the person appointed shall have held house appointments in a general hospital, and have had practical experience in the administration of a tuberculosis sanatorium and in the treatment of tuberculosis in such an institution and in bacteriological laboratory work. Experience in ultra-violet ray treatment and X-ray technique will also be necessary.

The person appointed will be attached to the County Health Department and will be required, subject to the control of the County Medical Officer of Health, to take full responsibility for the general management of the institution, including the supervision of the staff and the treatment of the patients.

The appointment will be subject to the regulations for the time being of the County Council relative to the payment of salary in the case of sickness, and will be terminable by three calendar months' notice on either side.

The candidate will be required to pass the County Council's medical examination, and will be subject to the provisions of the Local Government Superannuation Act, 1937.

Applications, endorsed "Temporary Resident Medical Officer, Earl's House Sanatorium," with copies of not more than three recent testimonials, must be delivered to the County Medical Officer, Shire Hall, Durham, on or before Monday, 10th June, 1940.

J. K. HOPE, Clerk of the County Council.

Shire Hall, Durham, 8th May, 1940.

## Manchester Ear Hospital,

Grosvenor-square, All Saints'. (30 Beds.)

The Board invite applications for the post of RESIDENT HOUSE SURGEON. Salary at the rate of £120 per annum. Candidates (Male or Female) must be duly qualified and registered.

Applications, with copies of four recent testimonials, to be forwarded to Mr. REGINALD S. MILFORD (Hon. Secretary, Manchester Ear Hospital), c/o Mr. W. J. Ellam, 17, Brazennose-street, Manchester, 2.

## Royal Sussex County Hospital,

BRIGHTON. (395 Beds.)

Applications are invited for the MAYO FELLOWSHIP IN ANÆSTHETICS (established March, 1939) tenable at the above Hospital and associated with the Nuffield Professor of Anæsthetics in the University of Oxford.

The Mayo Fellow will be in charge of the anæsthetic department, under the Honorary Anæsthetists. He will rank as Senior Resident Medical Officer, and as such will have certain administrative duties assigned to him.

The Fellowship is of the value of £300 per annum, with board, residence, and laundry.

Applications from Gentlemen who hold a Medical and Surgical qualification of the British Empire, and who are duly registered under the Medical Acts, should be sent, with copies of testimonials, as early as possible to the undersigned, from whom further particulars can be obtained if required.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

## Royal United Hospital, Bath.

HOUSE SURGEONS AND PHYSICIANS.

Applications are invited from recently qualified Male Medical Practitioners, who have not yet undertaken the six months' hospital appointment prior to joining H.M. Forces laid down in the C.E.C. Scheme for the following posts which become vacant on 1st July next:—

One HOUSE PHYSICIAN.

Three HOUSE SURGEONS.

The appointments are for six months; salary at the rate of £150 per annum, with board residence.

SENIOR RESIDENT MEDICAL OFFICER.

A vacancy occurs for a Medical Officer unfit for Military Service under the age of 40 to act as Senior Resident Medical Officer at a salary of £250 per annum.

Applications, stating age, qualifications, and enclosing copies of three testimonials, to be forwarded to the undersigned by June 11th, 1940.

J. LAWRENCE MEARS, Secretary-Superintendent.

20th May, 1940.

## Coventry and Warwickshire Hospital.

Applications are invited for the following appointments:—

HOUSE SURGEON to the FRACTURE AND ORTHOPÆDIC DEPARTMENT.

HOUSE SURGEON to the EAR, NOSE, AND THROAT DEPARTMENT.

Each post, which is for six months terminating on October 31st next, carries with it a salary at the rate of £150 per annum, together with board, quarters, and laundry.

Applications, with full particulars, to be addressed to the undersigned immediately.

S. CECIL HILL, House Governor and Secretary.

## Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of HOUSE PHYSICIAN. The appointment will be for six months from July 1st, 1940, but is terminable at an earlier date by one month's written notice on either side. Salary will be at the rate of £130 per annum, with board, residence, and laundry.

Candidates (Male or Female), who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four testimonials, to the undersigned on or before Wednesday, June 5th, 1940.

J. A. BEARDSALL, Secretary-Superintendent.

## City and County of Newcastle

UPON TYNE.

NEWCASTLE GENERAL HOSPITAL. (900 Beds.)

RESIDENT SURGICAL OFFICER.

Applications are invited from duly qualified and registered Medical Practitioners for the above post. The appointment is temporary and will be made in the first instance for a period of one year, with the possibility of extension for further periods.

Applications will be considered from persons with potential service commitments which might not allow of their completing the full period of the appointment.

Candidates must have held surgical house appointments and have had a reasonable amount of surgical experience.

The salary in respect of the appointment will be £550 per annum, with board, lodging, &c.

Applications, stating age and qualifications, together with copies of not more than three recent testimonials, must be submitted immediately to the Medical Officer of Health, Town Hall, Newcastle upon Tyne, 1.

16th May, 1940.

## West Sussex County Council.

EMERGENCY HOSPITAL SCHEME.

JUNIOR HOUSE SURGEONS.

Applications are invited from Practitioners who have qualified within the last six months for the post of Junior House Surgeon at hospitals in Chichester and East Preston (near Littlehampton). These institutions are included in the Ministry of Health Emergency Hospital Scheme and the appointment of such staff as will be required, if casualties are received, is being carried out in accordance with the scheme formulated by the Central Medical War Committee.

Appointments will be made as required, and will be for six months in the first place. Salary at the rate of £200 per annum, plus board and lodging or an allowance in lieu thereof.

Applications, stating age, nationality, qualifications, and date free, accompanied by not more than two testimonials, should be sent to the undersigned.

T. C. HAYWARD, Clerk of the County Council.

County Hall, Chichester, 20th May, 1940.

## Harlow Wood Orthopædic Hospital,

Near MANSFIELD, NOTTS. (155 Beds—being extended.)

Applications are invited for the post of HOUSE SURGEON (Male). Salary at £200 per annum, with board, residence, and laundry. The duties may include attendance at the associated hospitals and out-patient clinics. The appointment will be for six months from 1st July, 1940, and may be renewed for a further six months. The hospital is included in the Emergency Hospitals Service.

Applications, stating age and experience, with copies of testimonials, should be received by the Secretary by 8th June, 1940.

## County Borough of Preston.

SHAROE GREEN HOSPITAL.
(250 Beds.)

JUNIOR ASSISTANT RESIDENT MEDICAL OFFICER (Female).

Applications are invited from fully qualified and registered Practitioners for the above appointment. Salary at the rate of £100 or £150 per annum, according to experience, with full board and residence. The appointment will be for a period of six months and can be renewed for a period not exceeding six months.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be forwarded to the Medical Superintendent, Sharoe Green Hospital, Fulwood, Preston.

## Kettering and District General

HOSPITAL. (108 Ordinary and 50 Emergency Beds.)

HOUSE SURGEON }
HOUSE PHYSICIAN } Male.

Applications are invited for the above posts.

Salary £150 per annum, with board, residence, and laundry. Candidates must be fully qualified and registered.

Both appointments are for six months.

Applications, stating age, nationality, and qualifications, together with copies of three testimonials, to be sent to the undersigned as soon as possible.

G. W. JACKSON, Secretary-Superintendent.

## City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT.

CANWELL HALL BABIES' HOSPITAL.
(84 Beds.)

A Woman RESIDENT MEDICAL OFFICER is required for a period of six months, duties to commence on August 1st.

Applicants should have had previous experience as a resident house physician, preferably in a Children's Hospital.

Salary £250 per annum, with board and laundry.

Applications, endorsed "Resident Medical Officer," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the Medical Officer of Health, Council House, Birmingham, 3, and returned to him on or before June 8th, 1940.

## County Borough of Oldham.

THE MUNICIPAL HOSPITAL.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the post of Resident Assistant Medical Officer. Applicants must not be over forty-five years of age. Experience of Anæsthetics is desirable.

Salary £200 per annum, with board, residence, and laundry. Candidates should be unmarried.

The appointment will, in the first instance, be for a period of six months. The successful applicant, however, will be eligible for reappointment for a further period of six months.

The person appointed will be required to pass a medical examination, and may be required to contribute to the Superannuation Fund of the Corporation.

The Hospital comprises 375 Beds, with facilities for gaining experience in Medicine, Surgery, Midwifery, and the Diseases of Children.

The appointment is to fill an "A" Post under the Form C.18 (M) of the Central Medical War Committee.

Canvassing or submitting testimonials from members of the Council or of any Committee appointed by the Council will be a disqualification.

Application forms and conditions of appointment may be obtained from the Medical Officer of Health, Town Hall, Oldham, and should be returned, endorsed "Resident Assistant Medical Officer," not later than June 18th, 1940.

THOMAS ALKER, Town Clerk.

Town Hall, Oldham, 25th May, 1940

## Boston General Hospital, Lincs.

(70 Beds.)

RESIDENT MEDICAL OFFICER required to commence duty immediately. Salary £150 per annum, with board, residence, and laundry. The appointment is for six months.

Applications, stating age, qualifications, and previous experience together with copies of three recent testimonials, should be addressed to the Secretary.

## Chesterfield and North Derbyshire

ROYAL HOSPITAL.
(220 Medical and Surgical Beds—226 War Emergency Beds.)

HOUSE PHYSICIAN. "A Appointment."

Applications are invited from fully qualified Men for the above post, which includes the giving of a certain number of Anæsthetics. The appointment is for six months.

Salary at the rate of £150 per annum, with board, apartments, and laundry.

Applications, stating age and nationality, together with copies of three recent testimonials, should be sent to the undersigned as soon as possible.

M. H. BOONE, Superintendent and Secretary.

4th May, 1940.

## Chesterfield and North Derbyshire

ROYAL HOSPITAL.
(220 Medical and Surgical Beds—226 War Emergency Beds.)

HOUSE SURGEON AND ASSISTANT CASUALTY OFFICER. "A Appointment."

Applications are invited from fully qualified men for the above post. The appointment is for six months.

Salary at the rate of £150 per annum, with board, apartments, and laundry.

Applications, stating age and nationality, together with copies of three recent testimonials, should be sent to the undersigned as soon as possible.

M. H. BOONE, Superintendent and Secretary.

4th May, 1940.

## Walsall General Hospital.

The Committee invite applications from Men for the post of HOUSE PHYSICIAN AND RESIDENT ASSISTANT PATHOLOGIST. Salary at the rate of £175 per annum.

WALTER FRANCOMBE, House Governor.

13th May, 1940.

## Princess Royal (Emergency) Hospital,

SWANSEA. (140 Beds.)

Applications are invited for the appointment of RESIDENT HOUSE PHYSICIANS and HOUSE SURGEONS (Male or Female).

Salary £200 per annum, with the usual residential emoluments.

Applications, stating qualifications, age, &c., accompanied by copies of recent testimonials, to be forwarded without delay to the Medical Superintendent.

## Glasgow Royal Infirmary.

RESIDENT MEDICAL OFFICER required at CANNIESBURN AUXILIARY HOSPITAL.

Salary £200 per annum, with board, lodging, and laundry.

Applicants with previous Hospital resident experience preferred. This is a "B" appointment.

Particulars as to duties, &c., may be obtained from the Superintendent, Glasgow Royal Infirmary, 84, Castle-street, Glasgow, C.4.

Candidates are requested to lodge with the undersigned not later than 8th June, 1940, fifteen copies of application and three relative testimonials with each. No canvassing, either directly or indirectly.

R. MORRISON SMITH, C.A., F.H.O.A.,
Secretary and Cashier.

Glasgow Royal Infirmary Office,
135, Buchanan-street, Glasgow, C.1.

## North Lonsdale Hospital, Barrow-in-

FURNESS.
(164 Beds.)

Required immediately, HOUSE SURGEON, HOUSE PHYSICIAN, and CASUALTY OFFICER. Salaries respectively £200, £175, and £150 per annum, with board, residence, and laundry. Six months' appointments.

Applications are invited from fully qualified Medical Practitioners of British nationality, and should be sent, with copies only of three recent testimonials, to the Secretary.

## The General Infirmary at Leeds.

(673 Beds.)

Applications are invited for the post of TEMPORARY ASSISTANT RADIOLOGIST in the new X-RAY DIAGNOSTIC DEPARTMENT.

Salary will be at the rate of £350 per annum, and the successful applicant will be employed for a minimum period of six months.

Candidates must be duly registered Medical Practitioners and special experience in Radiological work and the possession of a Radiological Diploma will be an advantage.

Applications, accompanied by copies of recent testimonials, stating age, qualifications, &c., should be sent to the undersigned not later than 15th June, 1940.

S. CLAYTON FRYERS, House Governor and Secretary.

## Nottingham General Hospital.

(389 Beds.)

A HOUSE SURGEON (Male or Female) is required at the above Hospital. The appointment is for six months, with salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of testimonials, to be sent to the undersigned immediately. Duties to commence as soon as possible.

HENRY M. STANLEY, House Governor and Secretary.

## City of Bradford.

INFECTIOUS DISEASES HOSPITAL.

TEMPORARY ASSISTANT MEDICAL OFFICER (Female) required.

Salary £200 per annum, plus board-residence.

Form of application may be obtained from the Medical Officer of Health, Town Hall, Bradford, and should be returned to him not later than the 12th June, 1940.

N. L. FLEMING, Town Clerk.

Town Hall, Bradford, 24th May, 1940.

## County Borough of Swansea.

TEMPORARY ASSISTANT MEDICAL OFFICER OF HEALTH (Male or Female).

Applications are invited from registered Medical Practitioners under forty years of age for the above-named post.

Candidates must possess a Diploma in Public Health, or have had at least three years' experience since qualification.

Experience in refraction and prescription of glasses will be regarded as an important additional qualification.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and to the person appointed passing a medical examination.

Salary £500, rising by annual increments of £25 to £700, plus an emergency cost of living bonus at the discretion of the Council, which is at present 6 per cent. on the first £300 and 3 per cent. on the next £200.

Application forms may be obtained from the Medical Officer of Health, Public Health Department, Guildhall, Swansea, to whom they should be returned not later than 13th June, 1940.

H. L. LANG-COATH, Town Clerk.

## Chesterfield and North Derbyshire

ROYAL HOSPITAL.
(220 Surgical and Medical Beds.)

HOUSE SURGEON TO OPHTHALMIC AND EAR, NOSE, AND THROAT DEPARTMENTS.
("A" Appointment.)

Applications are invited from fully qualified Men for the above post.

The appointment is for six months from 1st July, 1940.

Salary at the rate of £150 per annum, with board, apartments, and laundry.

Applications, stating age and nationality, together with copies of three recent testimonials, should be sent to the undersigned as soon as possible.

M. H. BOONE, Superintendent and Secretary.

24th May, 1940.

## City of Nottingham.

NEW SANATORIUM.

RESIDENT MEDICAL SUPERINTENDENT.

Applications are invited for the position of Resident Medical Superintendent of a Sanatorium for Pulmonary Tuberculosis, which is now being built near Newstead, some twelve miles from the city. The sanatorium, which will have 182 Beds, will not be ready for occupation before the spring of 1941, but the officer will be required in the autumn of 1940 in order to work on the furnishing, equipping, and staffing.

The salary will be at the rate of £700 per annum, together with an unfurnished house free of rent and rates valued for superannuation purposes at £100 per annum. The salary will rise by £50 every two years to a maximum of £900.

Prior to taking up residence, the salary will be at the rate of £800 per annum, and the officer will be provided with office accommodation at the Tuberculosis Clinic.

The appointment will be subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937. The officer will work under the general supervision and control of the Medical Officer of Health.

Application forms may be obtained from the undersigned, and must be returned not later than June 20th.

J. E. RICHARDS, Town Clerk.

Guildhall, Nottingham, May, 1940.

## County Borough of Rotherham.

AIR-RAID PRECAUTIONS.

TEMPORARY ASSISTANT MEDICAL OFFICER.

Applications are invited for the appointment of a Temporary Assistant Medical Officer (Male) in connexion with the organisation of the First Aid and Ambulance Services incorporated in the Council's Scheme for Air-raid Precautions, and in connexion with the training in First Aid of the personnel of the various Air-raid Precautions services.

Knowledge of modern precautionary measures against air raids and experience in administrative public health work will be advantageous.

The salary will be at the rate of £600 per annum.

The person appointed will be required to devote the whole of his time to the duties of the office.

Applications must be made on application forms obtainable from the undersigned, and should be delivered, accompanied by copies of not more than three recent testimonials, not later than Thursday, 13th June, 1940.

Canvassing, either directly or indirectly, will be deemed a disqualification.

CHAS. L. DES FORGES, Town Clerk.

Municipal Offices, Rotherham, 23rd May, 1940.

## Royal Infirmary, Preston.

(405 Normal Beds.)

The Board of Management invite applications for the post of RESIDENT SURGICAL OFFICER.

Salary at the rate of £300 per annum, with board, residence, and laundry.

Preference will be given to candidates with no commitments to the Forces and who hold a post-graduate degree in Surgery.

Applications, stating age, qualifications, and experience, together with copies of testimonials, should be forwarded to the undersigned as soon as possible.

JOHN GIBSON, Superintendent and Secretary.

## Middlesbrough Education Committee.

APPOINTMENT OF A TEMPORARY ASSISTANT SCHOOL DENTAL SURGEON.

Applications are invited for an appointment as a Temporary Assistant School Dental Surgeon (to act whilst permanent officer is on war service). Applicants must hold a registered Diploma or Degree in Dental Surgery. The successful applicant will be required to devote the whole of his time to the duties of the office.

Commencing salary £450 per annum, rising by annual increments of £25 to £550 per annum.

Forms of application may be obtained on receipt of a stamped addressed foolscap envelope from the undersigned, to whom completed forms should be returned not later than 10th June, 1940.

STANLEY MOFFETT, Director of Education.

Education Offices, Woodlands-road, Middlesbrough, 23rd May, 1940.

## Cheshire County Council.

CLATTERBRIDGE (COUNTY) GENERAL HOSPITAL (Near BIRKENHEAD).

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER (Male).

Applications are invited for the above appointment which is for a period of six months at a salary of £250 per annum, together with the usual residential allowances.

The appointment may be renewed for a further period of six months.

There is a Non-resident Medical Superintendent, a Resident Deputy Medical Superintendent, and a Consulting Staff from Teaching Hospitals.

Applications to be made on forms obtainable from the undersigned and returned not later than the 12th June, 1940.

IAN MACKAY, County Medical Officer of Health.

County Public Health Department, 24, Nicholas-street, Chester.

## The Warwickshire and Coventry Joint

COMMITTEE FOR TUBERCULOSIS.

KING EDWARD VII MEMORIAL SANATORIUM, HERTFORD HILL, Near WARWICK.

Applications are invited for the post of JUNIOR ASSISTANT MEDICAL OFFICER (Man or Woman) at the Memorial Sanatorium, near Warwick, of 225 Beds.

The salary will be at the rate of £250 per annum, with board, lodging, and laundry in addition, and the successful candidate will be appointed for six months.

There are three other Medical Officers at the Sanatorium.

Applications, with copies of testimonials, should be forwarded direct to the Medical Superintendent at the Sanatorium to reach him by not later than Friday, the 14th June, 1940.

L. EDGAR STEPHENS, Clerk of the Joint Committee.

Shire Hall, Warwick, May, 1940.

## The Royal National Hospital for

CONSUMPTION AND DISEASES OF THE CHEST, VENTNOR.

An ASSISTANT RESIDENT MEDICAL OFFICER (Male or Female) required immediately. Salary at the rate of £250 per annum, with board, residence, and laundry allowance, with half-yearly increments at the rate of £25 per annum to a maximum of £300 per annum. The appointment will be for twelve months.

Applications, in candidate's own handwriting, stating age, qualifications, and experience (with one copy of three recent testimonials), to be sent to the Medical Superintendent, Royal National Hospital for Consumption, Ventnor, Isle of Wight, immediately.

## Pontypool and District Hospital,

PONTYPOOL, MON. (80 Beds.)

"A" HOUSE APPOINTMENT.

Applications are invited for the post of RESIDENT MEDICAL OFFICER. Salary £200 per annum, with board, residence, and laundry. The appointment is for six months. Conditions of appointment and particulars of duties can be obtained from the undersigned.

Applications must state age and qualifications.

N. A. BALL, Secretary.

## Margate and District General Hospital.

(100 Beds.)

Applications are invited only from Practitioners with six months of registration for the post of RESIDENT MEDICAL OFFICER (Male).

Salary £150 per annum, with board and laundry. Appointment limited to six months.

Applications, accompanied by copies of testimonials, should be addressed to the Hospital Secretary as early as possible.

## Royal East Sussex Hospital,

HASTINGS.

Two RESIDENT HOUSE SURGEONS (Female) required immediately. Salary £150 per annum, with board and residence. Candidates must be duly registered Medical Practitioners.

Applications, with copies of recent testimonials, to be addressed to the Secretary. WILFRID G. KEMSLEY.

## Sussex Maternity and Women's
HOSPITAL, BRIGHTON.

RESIDENT HOUSE SURGEON required. Salary at the rate of £130 per annum, board and lodging found, £40 per annum allowed for travelling expenses. Good experience in midwifery afforded. No canvassing allowed. The successful candidate will be required to commence duty towards the end of June.

Applications in writing, accompanied by testimonials, should be sent to PERCY F. SPOONER, Secretary, at the Hospital, Buckingham-road, Brighton.

27th May, 1940.

## Derbyshire Royal Infirmary.
(GENERAL HOSPITAL. 416 Beds.)

Applications are invited for the post of HOUSE SURGEON for CASUALTY DEPARTMENT (Male or Female). Candidates must be qualified and registered under the Medical Acts. Salary will be £150 per annum, with apartments, board, &c. Applications, with copies of testimonials, to be sent to the undersigned, as early as possible.

ARTHUR TAYLOR, Superintendent and Secretary.

29th May, 1940.

## The King Edward VII
WELSH NATIONAL MEMORIAL ASSOCIATION.

Applications are invited from duly registered Medical Practitioners (Male or Female, single) for the post of HOUSE PHYSICIAN (six months' appointment) at the SOUTH WALES SANATORIUM, TALGARTH, BRECON (286 Beds for Male Pulmonary Cases). Previous experience not essential. Salary at the rate of £200 per annum, plus maintenance.

Applications, stating age, qualifications, experience, &c., together with copies of three recent testimonials, should reach the undersigned not later than Wednesday, June 12th, 1940.

D. A. POWELL, Principal Medical Officer.

Cathays Park, Cardiff.

## County of Southampton.
EMERGENCY HOSPITAL SCHEME.

APPOINTMENT OF RESIDENT MEDICAL OFFICERS.

Applications are invited for the undermentioned temporary appointments:—

ALTON EMERGENCY HOSPITAL (No. of Beds 350).

SENIOR RESIDENT MEDICAL OFFICER. Salary £550 a year ("B" post). Candidates must be Fellows of the Royal College of Surgeons.

JUNIOR RESIDENT MEDICAL OFFICER. Salary £100 a year ("A" post).

In each case board, lodging, and laundry will be provided.

WINCHESTER EMERGENCY HOSPITAL (No. of Beds 220).

SENIOR RESIDENT MEDICAL OFFICER. Salary £350 a year ("B" post). Candidates must have held a resident hospital appointment.

JUNIOR RESIDENT MEDICAL OFFICER. Salary £100 a year ("A" post).

Board, lodging, and laundry will be provided, but in the case of the Junior Medical Officer billeting may be necessary temporarily.

Applications, with copies of two testimonials of recent date, must reach me not later than 15th June, 1940.

C. J. A. CARTER, Public Assistance Officer.

The Castle, Winchester, 28th May, 1940.

## Cheltenham General and Eye Hospital.
(176 Beds—4 Residents.)
(Recognised for the F.R.C.S., D.L.O., and D.O.M.S. Examinations.)

"A" APPOINTMENTS.

The Board of Management invite applications for the following:—

(1) HOUSE PHYSICIAN.
(2) HOUSE SURGEON to GENERAL WARDS.
(3) HOUSE SURGEON to EYE, EAR, NOSE, AND THROAT DEPARTMENT.

Salary £150 per annum, with board, lodging, and laundry.

Applications, with copies of testimonials, to be sent to the undersigned as soon as possible.

J. CUMMING SMITH, F.C.I.S., F.H.O.A., Secretary.

The General Hospital, Cheltenham, 27th May, 1940.

## County Mental Hospital, Chester.

Wanted immediately, a MEDICAL LOCUM TENENS (Lady). Salary 7 guineas a week, with board, lodging, washing, and attendance. A cash allowance at the rate of £140 per annum in lieu of emoluments may be granted if residing outside the Hospital.

Apply, enclosing copies of recent testimonials, to the Medical Superintendent.

## East Suffolk and Ipswich Hospital.
(398 Beds—8 Residents.)

Wanted immediately, HOUSE SURGEON (Male, British)—one recently qualified. Salary at the rate of £144 per annum with board, apartments, and laundry.

Applications, stating age and qualifications, to be sent to the undersigned, together with copies of testimonials.

ARTHUR GRIFFITHS, Secretary.

The Hospital, Ipswich, 1st June, 1940.

## Royal Sussex County Hospital,
BRIGHTON. (395 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male, unmarried). The appointment will be tenable for a period of twelve months and subject to renewal. Salary £300 per annum, with board, residence, and laundry. Candidates must be a Master of Surgery or a Fellow of the Royal College of Surgeons of England or Edinburgh. Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be forwarded to the undersigned.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

## Herefordshire General Hospital,
HEREFORD. (152 Beds.)

Immediate applications are invited for the post of HOUSE PHYSICIAN. Salary at the rate of £120 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, together with copies of three recent testimonials, to be sent to the undersigned.

T. W. UPTON, Secretary.

## Surrey County Council.
PUBLIC HEALTH DEPARTMENT.

EPSOM COUNTY HOSPITAL. (350 Beds.)

RESIDENT OBSTETRICIAN AND DEPUTY MEDICAL SUPERINTENDENT.

Applications are invited for the above appointment. Salary £600 per annum, rising by annual increments of £25 to £725 per annum, plus full residential emoluments valued for superannuation purposes at £125 per annum, plus an additional allowance of £50 per annum for administrative duty as deputy medical superintendent. (A married man could probably be given unfurnished quarters on a rental basis, in which case he would receive a cash allowance of £125 per annum in lieu of residential emoluments.) The maternity unit is a new block of 54 Beds which will be completed in a few months' time, and the successful candidate will be required to commence duty in August or September. The appointment will be made in the first place for the duration of the war, at the end of which the permanent appointment will be made. The appointment is subject to three months' notice on either side. The medical staffing of the maternity unit will be a visiting consultant obstetrician (part time), a resident obstetrician, and an assistant resident obstetrician; the latter two will assist as required in the general work of the Hospital. The resident obstetrician will be in charge of the maternity unit subject to the general control of the medical superintendent. Applicants must hold a higher obstetrical qualification and preference will be given to candidates holding a F.R.C.S. diploma and capable of performing emergency general surgical operations in the absence of the resident surgeon.

Applications to be sent to the County Medical Officer, County Hall, Kingston-on-Thames, by 7th June, 1940.

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-on-Thames, 31st May, 1940.

## Norfolk and Norwich Hospital, Norwich.
(428 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (a "B" appointment). Salary £250 per annum, with board, residence, and laundry.

Applications are also invited for the following "A" appointments: GENERAL HOUSE SURGEON and HOUSE SURGEON to the SPECIAL DEPARTMENTS (Ear, Nose, and Throat and Ophthalmic). Salaries for these positions £120 per annum, with board, residence, and laundry.

Candidates (Male) must possess registered qualifications and should send applications, stating age, nationality, &c., together with copies of testimonials, as soon as possible to the undersigned.

FRANK INCH, House Governor and Secretary.

31st May, 1940.

## Cefn Coed Hospital, Swansea.
SWANSEA COUNTY BOROUGH MENTAL HOSPITAL.

Applications are invited from duly qualified and registered Medical Practitioners (Male or Female) for posts of ASSISTANT MEDICAL OFFICER (temporary war-time appointments). Salary £400 per annum resident, or £500 per annum non-resident, with a variable war bonus, at present approximately £20 per annum.

Applications, stating age, nationality, and experience, together with copies of recent testimonials, should be sent without delay to the Medical Superintendent.

## Runwell Hospital for Nervous and
MENTAL DISORDERS,
Near WICKFORD, ESSEX.

HOUSE PHYSICIAN required (Man or Woman) for the above Hospital (1010 Beds). Salary £150 per annum, with apartments, board, attendance, and laundry. Six-monthly appointment, renewable for a further six months. Part of the Institution serves as a base hospital under the E.M.S.

Applications, together with copies of recent testimonials not more than two), to be forwarded to the Physician-Superintendent as soon as possible.

Envelopes to be marked "House Physician" in the top left-hand corner.

## Salford Royal Hospital.
(256 Beds.)

Applications are invited from registered candidates (Male or Female) for one HOUSE PHYSICIAN and one HOUSE SURGEON (Special Depts.) for six months from 1st July next. Salary £125 per annum,

Forms of application, obtainable from the undersigned, must be delivered on or before 4th June.

By Order of the Board,
H. B. SHELSWELL, General Superintendent and Secretary.
27th May, 1940.

## Stockport Infirmary.
(150 Beds.)

Applications are invited for the post of HOUSE PHYSICIAN, which becomes vacant on 27th June. The appointment is for six months. Salary £150 per annum, with board, residence, and laundry. The Resident Staff consists of a Resident Surgical Officer, three House Surgeons, and a House Physician.

Candidates (unmarried) should forward applications, stating age, nationality, &c., together with copies of three testimonials, to the undersigned not later than 4th June.

H. G. PRICE, Secretary-Superintendent.

## Walsall and West Bromwich
(BARR COLONY) JOINT BOARD,
GREAT BARR PARK COLONY, BIRMINGHAM, 22.

Wanted, LOCUM ASSISTANT MEDICAL OFFICER for three months, salary at the rate of £7 7s. per week, with board odging, and attendance.

Applications, stating date when free and with copies of recent testimonials, to be sent to the Medical Superintendent.

## The Friends' Retreat, York.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER (Woman) at the above registered Mental Hospital (200 Beds). Commencing salary £350 per annum, with board, residence, and laundry. An additional £50 per annum is paid to Assistants who hold or who obtain the D.P.M. The appointment is subject to the provisions of the Retreat Superannuation Scheme. There are two other medical officers on the staff. Previous mental hospital experience is desirable. The selected applicant will be asked to undergo a medical examination and to take up her duties on the 1st September next.

Applications, with copies of three recent testimonials, stating qualifications, experience, age, nationality, and religion, to be sent to the Medical Superintendent.

## Hove General Hospital, Hove.

"A" POST.

Applications are invited for the post of JUNIOR RESIDENT MEDICAL OFFICER (Male). The appointment is for six months, commencing immediately, at a salary of £120 per annum, with board, quarters, and laundry.

Applications, stating age, qualifications, &c., and accompanied by copies of testimonials, to reach the undersigned by June 5th.

R. A. KINGSNORTH, Acting Secretary.

## Huddersfield Royal Infirmary.
(321 Beds.)

Male HOUSE SURGEON required, to be attached to EYE, EAR, NOSE, AND THROAT DEPARTMENTS. Duties, which include the administration of anæsthetics, to commence on 30th June, 1940. Salary will be at the rate of £150 per annum, with board, residence, and laundry. Appointment for six months, subject to renewal for a similar period.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, General Superintendent and Secretary.

## Huddersfield Royal Infirmary.
(321 Beds.)

Male HOUSE SURGEON required, to commence duty on 5th July, 1940. Salary £150 per annum, with board, residence, and laundry. Appointment for six months, subject to renewal at the discretion of the Board of Management. The Hospital is officially recognised for the surgical practice required of non-members before admission to the Final Fellowship Examination of one of the Royal Colleges of Surgeons of England.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, General Superintendent and Secretary.

## The Jessop Hospital for Women,
SHEFFIELD. (151 Beds.)

The Board of Management invite applications for the post of REGISTRAR AND OBSTETRICAL TUTOR (full time). The duties include Ante-natal work and teaching of students. Preference may be given to candidates with F.R.C.S. (Eng.) or (Ed.) and M.R.C.O.G. Salary £250 per annum, with board, lodging, telephone, and certain other extras. The appointment will be for the duration of the war, but may be terminated by three months' notice on either side at any time. Membership of a Medical Defence Society is a condition of appointment.

Applications, with copies of recent testimonials, should be addressed to the undersigned as soon as possible.

DAVID OSWALD, Superintendent and Secretary.

## Royal Lancaster Infirmary,
LANCASTER. (178 Beds.)
(5 Resident Officers. Hospital recognised by the Royal College of Surgeons (England).)

SECOND HOUSE SURGEON required. Salary £175 per annum, with board, residence, and laundry. The appointment is for six months in the first place and may be renewed. Applicants may be of either sex and must have had some experience. Membership of a Medical Defence Society is a condition of appointment.

Applications, stating age, qualifications, experience, and nationality, together with copies of three recent testimonials, to be sent to the undersigned not later than Thursday, June 6th.

FRANK A. MILNES, Superintendent-Secretary.

## Royal Lancaster Infirmary,
LANCASTER. (178 Beds.)
(5 Resident Officers. Hospital recognised by the Royal College of Surgeons (England).)

SENIOR HOUSE SURGEON required. Salary £200 per annum, with board, residence, and laundry. The appointment is for six months in the first place and may be renewed. Applicants may be of either sex and must have had some experience. Membership of a Medical Defence Society is a condition of appointment.

Applications, stating age, qualifications, experience, and nationality, together with copies of three recent testimonials, to be sent to the undersigned not later than Thursday, June 6th

FRANK A. MILNES, Superintendent-Secretary.

## County Borough of Smethwick.

ST. CHAD'S HOSPITAL.

HOUSE SURGEON.

Applications are invited from registered Medical Practitioners for the appointment of House Surgeon at the Council's Municipal Hospital. The appointment will be for a period of six months at a salary at the rate of £150 per annum, with the usual emoluments. If the successful candidate is reappointed for a further period of six months, the salary will be at the rate of £200 per annum.

The Hospital contains 147 Beds, and the cases treated include General Medical, Acute Surgical, and Maternity patients. It is staffed by the Honorary Consultants of the Birmingham teaching hospitals.

Forms of application may be obtained from the Medical Superintendent, St. Chad's Hospital, Hagley-road, Birmingham, 16, to whom applications, endorsed "House Surgeon" and accompanied by copies of three recent testimonials, must be delivered not later than 13th June, 1940.

Canvassing, directly or indirectly, will disqualify.

FRANK CHAPMAN, Town Clerk.

Council House, Smethwick, 28th May, 1940.

## Royal Halifax Infirmary.
(Class 1A. E.M.S. 250 Beds.)

Applications are invited for the following resident posts:—

FIRST HOUSE SURGEON (Male or Female). Salary £200 per annum. "B" appointment.

CASUALTY OFFICER (Male or Female). Salary £150 per annum. "A" appointment.

With residence, board, and laundry.

Applications, stating age, previous experience, and nationality, together with testimonials, should be sent to the undersigned.

A. MIDGLEY, Secretary.

27th May, 1940.


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## City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT.
TEMPORARY MEDICAL OFFICER.

Applications are invited for a Temporary Woman Medical Officer, the duties to commence on 1st July, 1940.

The work includes attendance at ante-natal and children's clinics.

Applicants should have had considerable experience in work with mothers and children, including a six months' resident post in a Maternity Hospital and in a Children's Hospital.

The salary offered is £10 per week.

Applications, endorsed "Temporary Medical Officer for Maternity and Child Welfare," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the Medical Officer of Health, Council House, Birmingham 3, and returned to him on or before 15th June.

## Birmingham and Midland Eye Hospital,

CHURCH STREET, BIRMINGHAM 3

The Committee of Management are about to appoint an ASSISTANT SURGEON to this Hospital, and now invite applications for the post.

Election will be for three years as from the 1st August next, but the applicant appointed will be eligible for re-election.

Candidates must hold the following qualifications: Fellowship of the Royal College of Surgeons of England or Edinburgh; or Membership of the Royal College of Physicians, London; or Graduate in Medicine of a British University, and a Diploma in Ophthalmology.

Applications, together with testimonials, certificate of registration and of age, should be addressed to the House Governor on or before the 30th June, 1940. A copy of the rules and regulations will be forwarded on application.

27th May, 1940.

## St. Martin's Hospital, Bath.

Wanted, fully qualified Practitioners as RESIDENT HOUSE SURGEONS. St. Martin's includes about 400 Beds under the Ministry of Health's Hospital Scheme. Salary at the rate of £200 per annum, with board, residence, and laundry.

Full particulars from the Medical Officer of Health, Health Office, Sawclose, Bath, to whom applications must be addressed.

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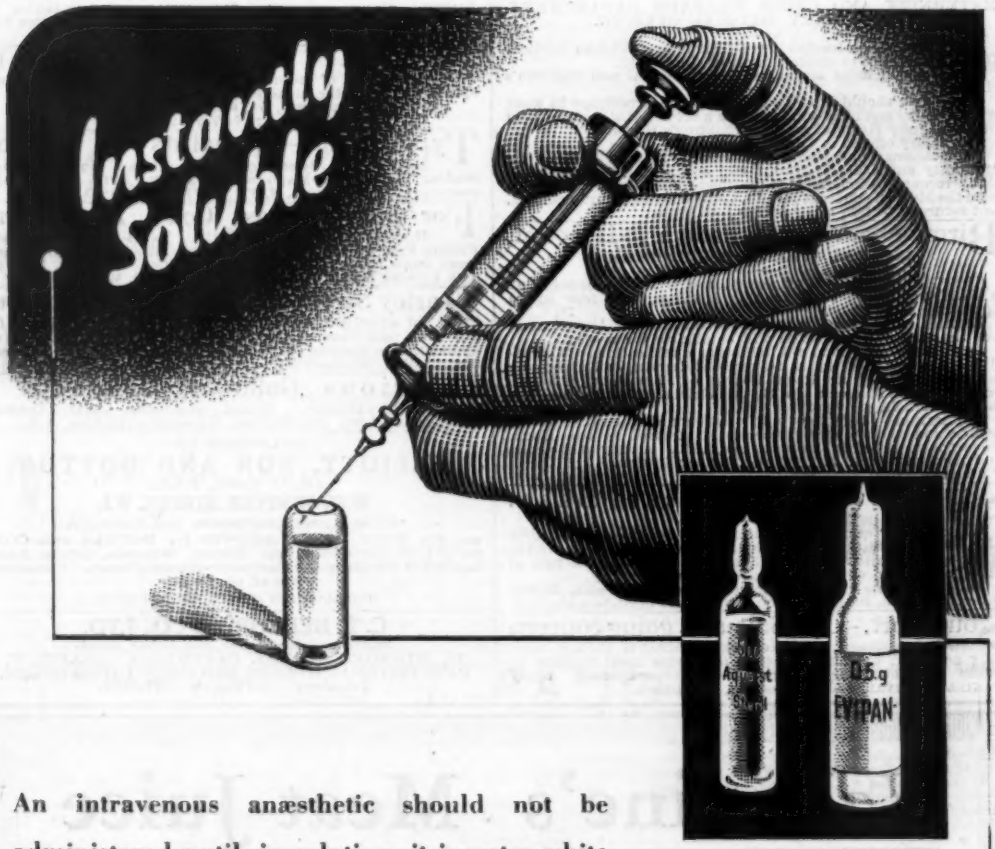


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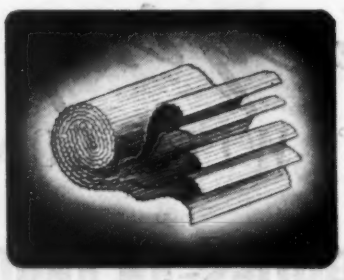

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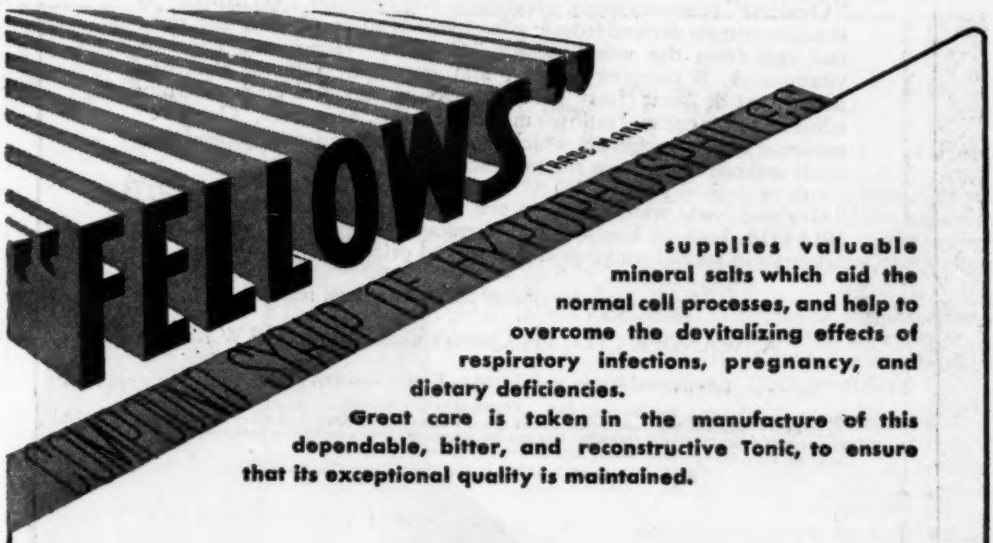


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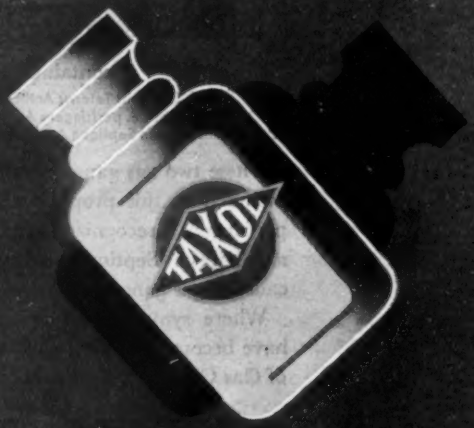


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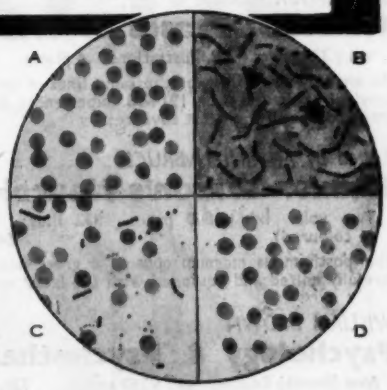


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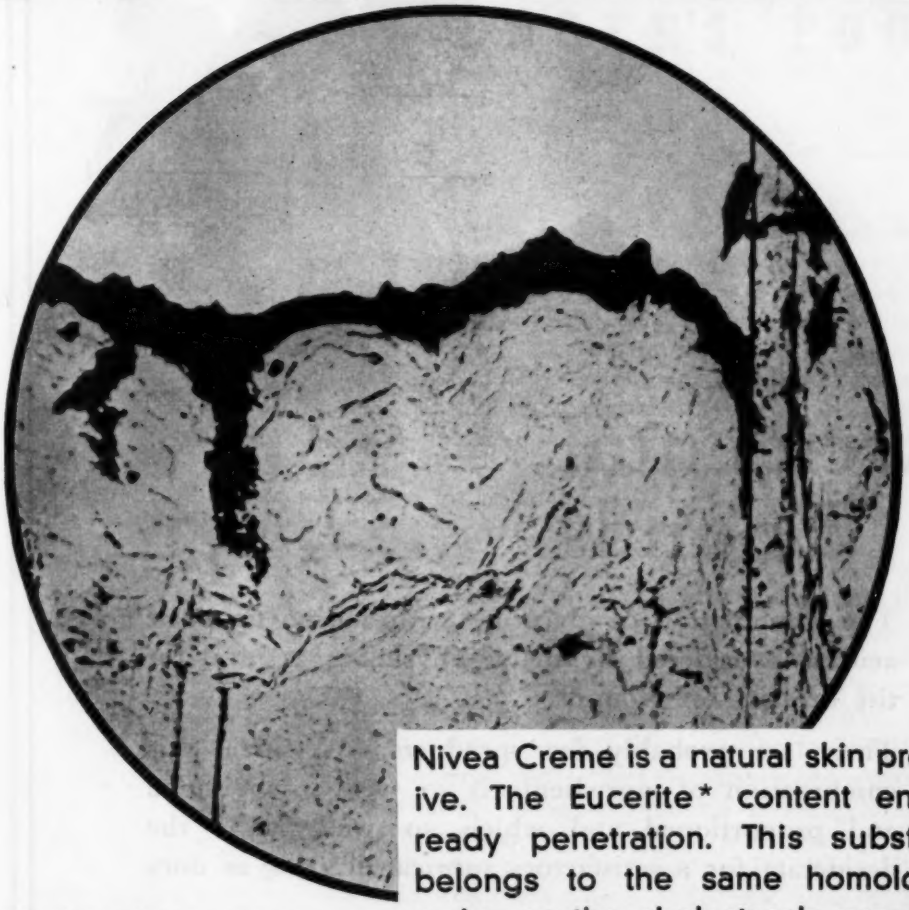

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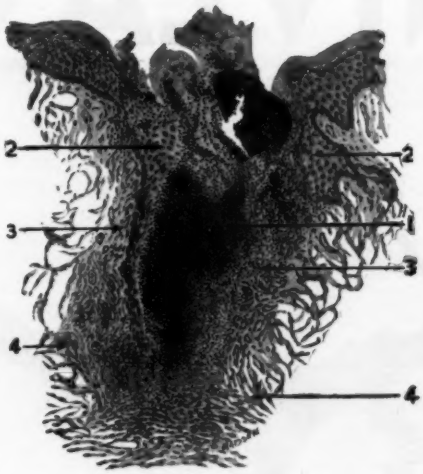


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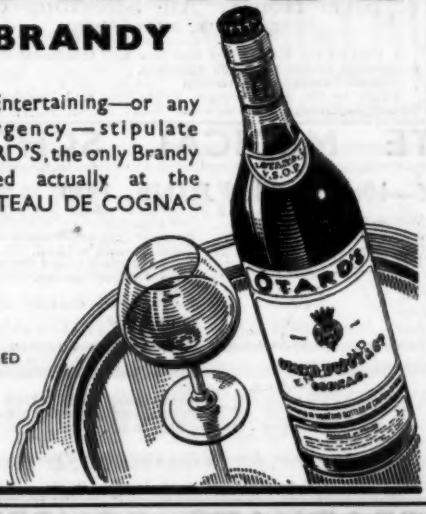


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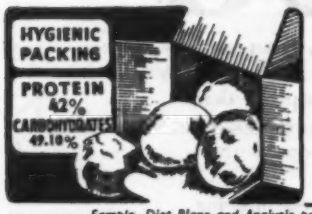


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## Course on CHEST SURGERY—10th to 14th JUNE, 1940

| | | |
|---|---|---|
| Monday, 10th June. | 10–11 A.M. | Introductory Lecture. |
| | 11–12.30 P.M. | Anatomy, Physiology, and Pathology of Wounds of Chest. |
| | 12.30–1.15 P.M. | Lunch. |
| | 1.15 P.M. | Bus to Royal College of Surgeons. |
| | 2–4 P.M. | Demonstration on Specimens of Gunshot Wounds. |
| Tuesday, 11th June. | 10–11.30 A.M. | The Surgery of the Open Thorax. |
| | 11.30–12.30 P.M. | Anæsthesia in Chest Surgery. |
| | 12.30–1.30 P.M. | Lunch. |
| | 1.30–2 P.M. | Instruments and Appliances Used or that can be Used in Chest Work. |
| | 2–4 P.M. | Operative Demonstrations on the Cadaver. |
| Wednesday, 12th June. | 10–11.15 A.M. | Gunshot Wounds of the Heart. |
| | 11.15–12.30 P.M. | Drainage of Pleural Cavity. |
| | 12.30–2 P.M. | Lunch. |
| Wednesday (contd.) | 2–3 P.M. | Thoracico-Abdominal Wounds. |
| | 3.15–4.15 P.M. | X-rays in Gunshot Wounds of the Chest. |
| Thursday, 13th June. | 10–11.15 A.M. | Closed Wounds of Chest, etc. |
| | 11.15–12.30 P.M. | Other Aspects of Closed Wounds of Chest and Collapse Therapy. |
| | 12.30–2 P.M. | Lunch. |
| | 2–4 P.M. | Operations on Cadaver, Mediastinum, Heart, etc. |
| Friday, 14th June. | 10–11.15 A.M. | Late Results of Gunshot Wounds. |
| | 11.15–12.30 P.M. | Technique of Operations for Removal of Foreign Bodies from Lung—Other Operations for Late Wounds, etc. |
| | 12.30–2 P.M. | Lunch. |
| | 2–4 P.M. | Miscellaneous Considerations Regarding Chest Surgery, followed by a General Discussion. |

Lecturers will be notified later.
The fee for the course will be £1 1s., but no fee will be charged in the case of Officers of the Armed Forces who submit a leave certificate and register their names before the commencement of the course.
Applications for tickets should be addressed to the Dean, British Postgraduate Medical School, Ducane Road, London, W.12.

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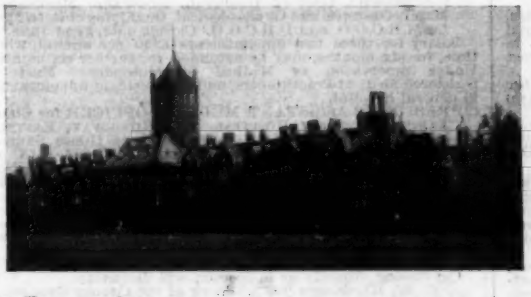
Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 3216 and 3217.

# HOLLOWAY SANATORIUM VIRGINIA WATER



**A Registered Hospital for the Treatment of MENTAL DISORDERS of the EDUCATED CLASSES. Founded by THOMAS HOLLOWAY in 1885.**

This Institution is situated in a beautiful and healthy locality within easy reach of London. It is fitted with every comfort. Patients can have Private Bedrooms and Special Nurses as well as the use of General Sitting Rooms, at moderate rates of payment. Voluntary Patients can be admitted.

There is a Branch Establishment at CANFORD CLIFFS, BOURNEMOUTH, where Patients can be sent for a change and be provided with all the comforts of a well-appointed home.

*For Terms, apply to—*

**The RESIDENT MEDICAL SUPERINTENDENT, St. Ann's Heath, Virginia Water, SURREY**

# UNIVERSITY EXAMINATION POSTAL INSTITUTION

Founded in 1882 by E. S. WEYMOUTH, M.A.

**Postal or Oral Preparation for all Medical Examinations.**

## SOME SUCCESSES

| | |
|---|---|
| M.D. (Lond.), 1901-39 (11 Gold Medallists 1913-39) .. | 427 |
| M.S. (Lond.), 1901-39 (including 4 Gold Medallists) .. | 24 |
| M.B., B.S. (Lond.), *Final*, 1901-39 (completed exam.).. | 368 |
| F.R.C.S. (Eng.), 1901-39 .. Primary 300 ; Final | 240 |
| D.P.H. (various), 1901-39 (completed exam.) .. .. | 366 |
| F.R.C.S. (Edin.), 1901-39 .. .. .. .. .. | 90 |
| M.R.C.P. (Lond.), 1901-39 .. .. .. .. .. | 342 |
| M.R.C.S., L.R.C.P., *Final*, 1901-39 (completed exam.).. | 728 |

M.D. (various), by Thesis. Many Successes.

D.O.M.S., D.L.O., D.P.M., &c. Many Successes.

**MEDICAL PROSPECTUS (36 pages),** sent gratis, along with List of Tutors, &c., on application to the Principal, 17, Red Lion-square, London, W.C.1. (Telephone: Holborn 6313.)

## St. John's Hospital, Lewisham, S.E.13.

Applications are invited for the resident appointment of HOUSE SURGEON (Male or Female) tenable for six months from the 1st July, 1940. Salary £100 per annum.

Applications, with copies of testimonials, should be addressed to the undersigned as soon as possible. There will be a similar vacancy for a Casualty Officer on August 1st.

J. C GILBERT, Secretary.

## Tilbury Hospital, Tilbury, Essex.

The Committee of Management of the Seamen's Hospital Society will receive applications for the post of RESIDENT HOUSE OFFICER ("A" designation). For the six months commencing 1st July, 1940. Salary at the rate of £200 per annum, with board, residence, and laundry. Applications, to be forwarded immediately to the undersigned with copies of not more than three recent testimonials.

F. A. LYON, Secretary.

Seamen's Hospital Society, Greenwich, S.E.10,
3rd June, 1940.

## King Edward Memorial Hospital,

Mattock-lane, Ealing, W.13.

CASUALTY OFFICER AND DEPUTY RESIDENT MEDICAL OFFICER (Male) required immediately; six months' appointment with possibility of re-election for a further period. Salary £225 per annum, with usual residential emoluments.

Applications, stating age, experience, and qualifications, together with copies of two recent testimonials, should be sent to the undersigned immediately.

R. A. MICKELWRIGHT, House Governor.

## King Edward Memorial Hospital,

Mattock-lane, Ealing, W.13.

CASUALTY OFFICER AND HOUSE SURGEON (Male) required immediately to undertake casualty duties and act as House Surgeon for orthopædics, children, and eyes. Six months' appointment with possibility of re-election for a further period. Salary £150 per annum, with usual residential emoluments.

Applications, stating age, experience, and qualifications, together with copies of two recent testimonials, should be sent to the undersigned immediately.

R. A. MICKELWRIGHT, House Governor.

## British Postgraduate Medical School.

DEPARTMENT OF SURGERY.

There is a vacancy for a Temporary FIRST ASSISTANT in the surgical unit of the British Postgraduate Medical School. Candidates must be Fellows of the Royal College of Surgeons and have had some teaching experience. The duties include charge of beds and teaching of postgraduate students. The salary is at the rate of £300 per annum, plus £200 per annum war bonus. The successful candidate will be expected to devote his whole time to the duties. Further particulars may be obtained from the Dean.

Applications should be submitted to the Dean, British Postgraduate Medical School, Ducane-road, London, W.12, not later than Wednesday, 12th June, 1940.

## London County Council.

Applications invited from Medical Practitioners for undermentioned positions with general medical or surgical duties in the Council's general and special hospitals. Married quarters not available.

TEMPORARY ASSISTANT MEDICAL OFFICERS (Class I).—Salary £350–£25–£425.

TEMPORARY ASSISTANT MEDICAL OFFICERS (Class II).—Salary £250.

HOUSE PHYSICIANS/SURGEONS.—Salary £120.

All positions are with board, lodging, and washing.

Application forms obtainable (stamped addressed foolscap envelope necessary) from the Medical Officer of Health, Staff Division 2, County Hall, S.E.1, returnable by 17th June.

Canvassing disqualifies.

## Queen Mary's Hospital for the East END, Stratford, E.15.

Applications are invited from fully qualified and registered Medical Men for the following posts :—

| *Post.* | *Salary.* |
|---|---|
| One HOUSE PHYSICIAN .. .. | £130 per annum. |
| Two HOUSE SURGEONS .. .. | £130 per annum. |
| Two CASUALTY OFFICERS .. | £140 per annum. |

The appointments will date from the 1st of July, 1940, and will be for six months.

Candidates, who must be single, should send applications, together with copies of testimonials, to the undersigned not later than Friday, the 14th of June, 1940.

BERNARD T. HEMPEL, Captain, Chairman.

## Queen's Hospital for Children, Hackney-road, E.2.

HOUSE PHYSICIAN required immediately.

CASUALTY OFFICER required immediately.

Six months' appointments. Salary at rate of £100 per annum, with board, lodging, and laundry. Candidates must be prepared to participate in the Emergency Hospital arrangements in connexion with which beds have been reserved and in respect of which additional remuneration is payable.

Applications must be made on forms to be obtained from the undersigned and be sent in, with copies of not more than two testimonials, as soon as possible.

CHARLES H. BESSELL, Secretary.

## British Postgraduate Medical School.

Applications are invited for the post of FIRST ASSISTANT (whole time) in the DEPARTMENT OF MEDICINE. Candidates must be Members of the Royal College of Physicians and preferably have had some teaching experience. Duties commence on July 1st, 1940, and the salary offered is £300, plus a war bonus of £200 per annum.

Applications will be received up to the first post on June 22nd, 1940, and should be addressed to: The Dean, British Postgraduate Medical School, Ducane-road, London, W.12, from whom further particulars can be obtained.

## The Woolwich and District Hospital ASSOCIATION (INCORPORATED) MEMORIAL HOSPITAL, Shooters Hill, London, S.E.18. (General Hospital—112 Beds.)

The Board of Management invites applications from suitably qualified Male candidates for the post of JUNIOR RESIDENT MEDICAL OFFICER ("A" appointment) for six months, with effect from July 1st, 1940. Remuneration will be at the rate of £133 6s. 8d. per annum, plus board, residence, and laundry.

Application should be made on the prescribed form, obtainable from the undersigned. The closing date for the receipt of applications is Monday, June 24th.

R. S. G. HUTCHINGS, Secretary.

## The Willesden General Hospital, Harlesden-road, N.W.10.

Applications are invited from fully qualified and registered candidates (unmarried) for the appointment of CASUALTY OFFICER for a period of three months from the 1st July, 1940, followed by an appointment of three or six months as House Surgeon. Salary at the rate of £100 per annum, plus E.M.S. grant.

Applications to be received by the Secretary not later than first post on Friday, 14th June, 1940.

## Borough of Edmonton. HEALTH DEPARTMENT.

TEMPORARY ASSISTANT MEDICAL OFFICER OF HEALTH (A.R.P.).

Applications are invited from duly qualified registered Medical Practitioners (Male) for the full-time appointment of Temporary Assistant Medical Officer of Health for services in connexion with the Council's Scheme for Air-Raid Precautions.

The duties will be concerned with the organisation, subject to the control of the Medical Officer of Health, of the First-Aid and Casualty Services, and will include lecturing in first-aid and team-training of personnel. Previous experience in this work is desirable though not essential.

The salary will be at the rate of £600 per annum. The appointment will be terminable by one month's notice on either side, and will be, in the first instance, for a period of twelve months, after which it will be reviewed.

Forms of application and conditions of appointment may be obtained from the Medical Officer of Health, Town Hall, Edmonton, N.9, and must be returned to the undersigned not later than NOON on Monday, 17th June, 1940.

Canvassing, directly or indirectly, will disqualify.

FREDK. W. CLAXTON, Town Clerk.

Town Hall, Edmonton, N.9, 31st May, 1940.

## Dreadnought Hospital, Greenwich, S.E.10. (Seamen's Hospital Society.)

RESIDENT RECEIVING-ROOM OFFICER (Male) required immediately for six months, designated "B" appointment. Salary at not less than £180 per annum, with board, residence, laundry, &c.

Applications, stating age and previous experience, with copies of three recent testimonials, to be sent to the undersigned.

F. A. LYON, Secretary.

## Dreadnought Seamen's Hospital, Greenwich, S.E.10.

The Committee of Management of the Seamen's Hospital Society announce a vacancy in the post of HOUSE PHYSICIAN for six months from 1st July. Designated "A" appointment.

Salary at the rate of not less than £155 per annum, with board, residence, and laundry.

Applications to be forwarded to the undersigned with copies of not more than three recent testimonials.

F. A. LYON, Secretary.

Seamen's Hospital Society, Greenwich, S.E.10, 3rd June, 1940.

## Middlesex County Council.

(1)*RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER for NORTH MIDDLESEX COUNTY HOSPITAL. General and Surgical duties. To begin work about 17th July. Closing date, 15th June.

*RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER for REDHILL COUNTY HOSPITAL, EDGWARE, MIDDLESEX. Mainly Obstetric and Gynæcological. Qualifying obstetric post for M.R.C.O.G. and D.R.C.O.G. Closing date, 22nd June.

Salary for these two appointments £250 per annum, whole time, for six months, may be extended for further six months. Under supervision of Medical Superintendent. Must be registered Medical Practitioners, and held resident appointments in general hospital.

(2)*RESIDENT ASSISTANT MEDICAL OFFICER for CHASE FARM EMERGENCY HOSPITAL, THE RIDGEWAY, ENFIELD. Must have general surgical experience as House Surgeon or Resident Surgical Officer. Salary £400–£25–£475 per annum. Whole-time duties as County Council may direct under Medical Superintendent. For four years only. Closing date, 15th June.

*Subject to medical examination and one month's notice.

Board, lodging, and laundry. Application to the undersigned.

No application forms provided. Relationship to any member or officer of the Council to be disclosed.

Copies of not more than three recent testimonials.

Canvassing, directly or indirectly, will disqualify.

C. W. RADCLIFFE "B.3," Clerk of the County Council.

Guildhall, Westminster, S.W.1.

## Borough of Barking.

DEPUTY MEDICAL OFFICER OF HEALTH.

Applications are invited before the 10th June, 1940, from qualified Medical Practitioners for the designated appointment of Deputy Medical Officer of Health and Deputy School Medical Officer.

Candidates must have had experience in public health work and must hold a registrable qualification in public health.

Salary: scale £725–£25–£800.

Particulars of duties and application form may be obtained from the undersigned.

AIR-RAID PRECAUTIONS.
APPOINTMENT OF TEMPORARY ASSISTANT MEDICAL OFFICER.

Applications are invited from qualified Medical Practitioners for the appointment of Temporary Assistant Medical Officer in connexion with the Council's Scheme for Air-raid Precautions.

The salary will be in accordance with the scale £500–£700 per annum, rising by annual increments of £25, and the appointment will be terminable by one month's notice on either side.

The person appointed will be required to reside within the district.

Application forms may be obtained from the undersigned, to whom they should be returned, together with copies of three recent testimonials, not later than 10th June, 1940.

S. A. JEWERS, Town Clerk.

Town Hall, Barking.

## Royal Halifax Infirmary. Class 1A E.M.S. (250 Beds.)

Applications are invited for the following resident posts :—

RESIDENT SURGICAL OFFICER (Male or Female). Salary £250 per annum, "B" appointment;

CASUALTY OFFICER (Male or Female). Salary £200, "A" appointment;

with residence, board, and laundry.

Applications, stating age, previous experience, and nationality, together with testimonials, should be sent to the undersigned.

3rd June, 1940. A. MIDGLEY, Secretary.

## Hove General Hospital, Hove.

"A" POST.

Applications are invited for the post of JUNIOR RESIDENT MEDICAL OFFICER (Male). The appointment is for six months, commencing immediately, at a salary of £120 per annum, with board, quarters, and laundry.

Applications, stating age, qualifications, &c., and accompanied by copies of testimonials, to reach the undersigned by June 12th.

R. A. KINGSNORTH, Acting Secretary.

## Surbiton Hospital E.M.S. & General HOSPITAL. (100 Beds.)

Applications are invited for the post of R.M.O. (Male). Salary £200 per annum, with board, residence, and laundry.

Applications, with copies of recent testimonials, should be forwarded to the MEDICAL OFFICER I/c.

Surbiton Hospital, Ewell-road, Surbiton, Surrey.

## Christie Hospital and Holt Radium
INSTITUTE, WITHINGTON, MANCHESTER, 20.

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male or Female) at the above Hospital. Previous resident appointment desirable.

Salary £150 per annum, plus residence, board, and laundry.

Applicants must be British and should submit immediately to the undersigned full details of age, qualifications, and previous experience, together with copies of three recent testimonials.

PERCY N. GLASS, Superintendent.

## Royal Berkshire Hospital, Reading.

Applications are invited for the post of RESIDENT ANÆSTHETIST (Male) which falls vacant on July 1st, 1940.

The appointment is for six months in the first instance. Candidates must be fully qualified and registered and have had considerable experience in the administration of anæsthetics.

A salary of £250 per annum, with board, residence, and laundry, will be paid to the candidate possessing suitable qualifications for the post.

Applications, stating age and experience, with copies of not more than three recent testimonials, to be sent to the undersigned as soon as possible.

H. E. RYAN, Secretary and House Governor.

## City of Exeter.

EXETER CITY HOSPITAL E.M.S.

JUNIOR HOUSE SURGEON (Male) required at once. Salary at rate of £175 per annum, with board, lodging, and laundry. An "A" appointment tenable for six months.

Apply, with copies of two recent testimonials, to:—

G. B. PAGE, Medical Officer of Health.

5, Southernhay West, Exeter, 4th June, 1940.

## Borough of Llanelly.

ASSISTANT (LADY) MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

The Town Council invite applications for the above whole-time appointment from duly qualified single Lady Medical Practitioners. Applicants must have had at least three years' experience in the medical profession and special experience in midwifery and child welfare work. Possession of the Diploma in Public Health will be an advantage.

Salary £500, increasing by annual increments of £25 to £700 per annum.

The officer will be required primarily to carry out duties relative to Maternity and Child Welfare and School Children, and any assigned work in connexion with the Medical Services of the Borough under the direction of the Medical Officer of Health.

The appointment is subject to the Superannuation Act.

The selected candidate must pass a satisfactory medical examination.

Prescribed application forms may be obtained from the undersigned, and when sent in should be endorsed "Assistant Medical Officer," and addressed so as to be delivered to the undersigned on or before the 20th June, 1940.

DAVID J. PHILLIPS, Town Clerk.

Town Hall, Llanelly, 4th June, 1940.

## East Lancashire Homes for Disabled
SAILORS AND SOLDIERS
BROUGHTON HOUSE, PARK LANE, KERSAL, MANCHESTER.

RESIDENT MEDICAL SUPERINTENDENT required, unmarried man or widower. Quarters, board and laundry provided. Salary £400 per annum. Post would suit retired R.A.M.C. or other Service Medical Officer. Knowledge of Electro-therapeutics an advantage. Apply to E. MESSENGER, F.C.A., Secretary, 40, South King Street, Manchester 2.

## City of Coventry, Municipal General
HOSPITAL.

APPOINTMENT OF TEMPORARY MEDICAL SUPERINTENDENT.
(Resident.)

The Public Health Committee invite applications for the above from experienced medical men preferably over military age. The officer appointed will be under the administrative direction of the Medical Officer of Health. The Hospital is a Class 1.A hospital in the Emergency Scheme. The appointment is temporary for the period of the war, and is terminable by two months' notice on either side. Salary £900 per annum, plus house, fuel, light and laundry. Applications, with copies of three recent testimonials, to be made as soon as possible to the undersigned.

A. MASSEY, M.D., Medical Officer of Health.

The Council House, Coventry, June 4th, 1940.

## Cameron Hospital, West Hartlepool.
(86 Beds.)

HOUSE SURGEON (Male or Female) required to commence duties immediately. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age, nationality, and experience, together with copies of testimonials, should be sent to the undersigned as soon as possible. C. S. KAY, Secretary.

## Royal United Hospital, Bath.

HOUSE SURGEONS AND PHYSICIANS.

Applications are invited from recently qualified Male Medical Practitioners, who have not yet undertaken the six months' hospital appointment prior to joining H.M. Forces laid down in the C.E.C. Scheme for the following posts which become vacant on 1st July next:—

One HOUSE PHYSICIAN.

Three HOUSE SURGEONS.

The appointments are for six months; salary at the rate of £150 per annum, with board residence.

SENIOR RESIDENT MEDICAL OFFICER.

A vacancy occurs for a Medical Officer unfit for Military Service under the age of 40 to act as Senior Resident Medical Officer at a salary of £250 per annum.

Applications, stating age, qualifications, and enclosing copies of three testimonials, to be forwarded to the undersigned by June 11th, 1940.

J. LAWRENCE MEARS, Secretary-Superintendent.

20th May, 1940.

## The Royal Hospital, Wolverhampton.
(Incorporated under Royal Charter.)

Applications are invited for the following appointment:—

CASUALTY OFFICER. Salary £100 per annum, duties to commence forthwith.

The Hospital contains 300 Beds, includes the usual special departments, and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts and unmarried.

The appointment is for six months. Board, furnished room, and laundry provided.

Applications, with copies of testimonials, to be forwarded to the undersigned. W. H. HARPER, House Governor.

Wolverhampton, 4th June, 1940.

## Counties of Midlothian, West Lothian
AND PEEBLES.

MEDICAL OFFICER OF HEALTH.

Applications are invited for the appointment of MEDICAL OFFICER of HEALTH for the COUNTIES of MIDLOTHIAN, WEST LOTHIAN and PEEBLES.

Salary £1200, rising by annual increments of £50 to £1500. Travelling allowance £230 per annum.

The appointment is subject to superannuation.

Conditions of appointment may be obtained from the undersigned with whom twelve copies of application and of not more than three recent testimonials must be lodged not later than 26th June, 1940. G. J. MCGREGOR.

County Rooms, George IV Bridge, Edinburgh, 1.
5th June, 1940.

## Royal Lancaster Infirmary,
LANCASTER. (178 Beds.)
(5 Resident Officers. Hospital recognised by the Royal College of Surgeons (England).)

SENIOR HOUSE SURGEON required. Salary £200 per annum, with board, residence, and laundry. The appointment is for six months in the first place and may be renewed. Applicants may be of either sex and must have had some experience. Membership of a Medical Defence Society is a condition of appointment.

Applications, stating age, qualifications, experience, and nationality, together with copies of three recent testimonials, to be sent to the undersigned not later than Thursday, June 13th.

FRANK A. MILNES, Superintendent-Secretary.

## Royal Lancaster Infirmary,
LANCASTER. (178 Beds.)
(5 Resident Officers. Hospital recognised by the Royal College of Surgeons (England).)

SECOND HOUSE SURGEON required. Salary £175 per annum, with board, residence, and laundry. The appointment is for six months in the first place and may be renewed. Applicants may be of either sex and must have had some experience. Membership of a Medical Defence Society is a condition of appointment.

Applications, stating age, qualifications, experience, and nationality, together with copies of three recent testimonials, to be sent to the undersigned not later than Thursday, June 13th.

FRANK A. MILNES, Superintendent-Secretary.

## Glasgow Royal Infirmary.

Applications are invited from Registered Medical Practitioners for the following posts:—

(1) Whole-time ASSISTANT RADIOLOGIST. Salary £400 per annum.

(2) FIRST ASSISTANT in REHABILITATION DEPARTMENT; must have held Resident Surgical Post, preferably with a knowledge of Orthopædics. Salary £400 per annum.

Full particulars may be obtained from the Superintendent, Glasgow Royal Infirmary, 84, Castle Street, Glasgow, C.4.

Candidates are requested to lodge with the undersigned not later than 20th June, 1940, fifteen copies of application and three relative testimonials; no canvassing.

R. MORRISON SMITH, C.A., Secretary and Cashier.

Glasgow Royal Infirmary Office, 135, Buchanan Street, Glasgow, C.1.

## City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT.
TEMPORARY MEDICAL OFFICER.

Applications are invited for a Temporary Woman Medical Officer, the duties to commence on 1st July, 1940.

The work includes attendance at ante-natal and children's clinics.

Applicants should have had considerable experience in work with mothers and children, including a six months' resident post in a Maternity Hospital and in a Children's Hospital.

The salary offered is £10 per week.

Applications, endorsed "Temporary Medical Officer for Maternity and Child Welfare," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the Medical Officer of Health, Council House, Birmingham 3, and returned to him on or before 15th June.

## Derbyshire Royal Infirmary.

(GENERAL HOSPITAL. 416 Beds.)

Applications are invited for the post of HOUSE SURGEON for CASUALTY DEPARTMENT (Male or Female). Candidates must be qualified and registered under the Medical Acts. Salary will be £150 per annum, with apartments, board, &c. Applications, with copies of testimonials, to be sent to the undersigned, as early as possible.

ARTHUR TAYLOR, Superintendent and Secretary.

29th May, 1940.

## Royal East Sussex Hospital,

HASTINGS.

Two RESIDENT HOUSE SURGEONS (Female) required immediately. Salary £150 per annum, with board and residence. Candidates must be duly registered Medical Practitioners.

Applications, with copies of recent testimonials, to be addressed to the Secretary. WILFRID G. KEMSLEY.

## North Lonsdale Hospital, Barrow-in-

FURNESS.
(164 Beds.)

Required immediately, HOUSE SURGEON, HOUSE PHYSICIAN, and CASUALTY OFFICER. Salaries respectively £200, £175, and £150 per annum, with board, residence, and laundry. Six months' appointments.

Applications are invited from fully qualified Medical Practitioners of British nationality, and should be sent, with copies only of three recent testimonials, to the Secretary.

## East Suffolk and Ipswich Hospital.

(398 Beds—8 Residents.)

Wanted immediately, HOUSE SURGEON (Male, British)—one recently qualified. Salary at the rate of £144 per annum with board, apartments, and laundry.

Applications, stating age and qualifications, to be sent to the undersigned, together with copies of testimonials.

ARTHUR GRIFFITHS, Secretary.

The Hospital, Ipswich, 1st June, 1940.

## Royal Eye and Ear Hospital, Bradford.

HOUSE SURGEON (Male or Female) wanted immediately for EAR, NOSE, AND THROAT DEPARTMENT. Salary £180, with board, residence, and laundry.

Applications, stating age, experience, and copies of testimonials, to be forwarded to the undersigned.

F. BRIGGS, Secretary-Superintendent.

## Royal Berkshire Hospital, Reading.

Applications are invited for the post of HOUSE SURGEON (Male) now vacant. The appointment is for six months and candidates must be fully qualified and registered. Remuneration at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age and experience, with copies of testimonials, to be sent to the undersigned as soon as possible.

H. E. RYAN, Secretary and House Governor.

## Clayton Hospital, Wakefield.

(140 Beds.)

Applications are invited for the post of HOUSE SURGEON for six months (renewable) commencing June 15th, 1940. Candidates should be of British nationality, Male and Single. Salary at the rate of £150 per annum, together with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be sent to the undersigned immediately.

T. F. W. MACKEOWN, Secretary-Superintendent.

## Royal Hospital, Richmond, Surrey.

Applications to be received by the 19th June, 1940, for the following post:—

JUNIOR HOUSE SURGEON (Male), £100 per annum. Appointment to take effect from the 1st July, 1940.

Board, furnished apartments, and laundry. Candidates must be fully qualified, registered, and single. Form of application can be obtained from the undersigned.

M. E. WRIGHT, Acting Secretary.

## The Prince of Wales's Hospital,

PLYMOUTH.
Amalgamating
SOUTH DEVON AND EAST CORNWALL HOSPITAL, GREENBANK ROAD.
ROYAL ALBERT HOSPITAL, DEVONPORT.
CENTRAL HOSPITAL, LOCKYER STREET.

Applications are invited for the post of SENIOR HOUSE SURGEON for duty at the Devonport Hospital (64 Beds)—a "B" appointment. Salary £150 per annum, with board, residence, and laundry.

Applications are also invited for the following "A" appointments. JUNIOR HOUSE SURGEON for duty at the Devonport Hospital, and HOUSE OFFICER for duty at the Lockyer Street Hospital (50 Beds). Salaries for these positions are £130 and £150 per annum respectively, with board, residence, and laundry.

Candidates must possess registered qualifications and should send applications, stating age, nationality, &c., together with copies of testimonials, as soon as possible to the undersigned.

ARTHUR R. CASH, General Superintendent.

3rd June, 1940.

## Lincoln County Hospital.

Wanted, JUNIOR HOUSE SURGEON (Male, unmarried). Salary at the rate of £150 per annum. Board, residence, and washing will also be provided.

Every candidate for the appointment must be registered under the Medical Acts.

Applications, stating age and other particulars, with copies of not more than three testimonials, are to be sent to the undersigned, from whom further particulars may be obtained.

ARTHUR MOORE, Secretary-Superintendent.

Lincoln, 1st June, 1940.

## Oldham Royal Infirmary.

(186 Beds.)

Applications are invited from qualified Medical Men and Women for the combined post of HOUSE SURGEON to the EYE AND EAR, NOSE, AND THROAT DEPARTMENT and HOUSE PHYSICIAN.

Appointment is for six months.

Salary at the rate of £175 per annum, with board, residence, and laundry.

Applications, stating age, experience, and qualifications, together with copies of three recent testimonials, to be forwarded to the undersigned not later than the 15th June, 1940.

F. W. BARNETT,
General Superintendent and Secretary.

## County Borough of Middlesbrough.

HEALTH DEPARTMENT.
HEMLINGTON EMERGENCY HOSPITAL.

Applications are invited for the appointment of RESIDENT SURGICAL OFFICER at the above Emergency Hospital at a salary of £550 per annum, plus usual residential emoluments.

The successful candidate may, at the Council's discretion, be required to live outside the Hospital, in which case £100 per annum will be payable in lieu of the residential emoluments.

The candidate must have had wide surgical experience. He will be generally responsible to the Medical Officer of Health.

The successful candidate will be required to pass satisfactorily a medical examination.

Applications, accompanied by copies of three recent testimonials, to be sent immediately to the Medical Officer of Health, Health Department, Municipal Buildings, Middlesbrough.

PRESTON KITCHEN, Town Clerk.

Municipal Buildings, Middlesbrough, 1st June, 1940.

## Rochdale Infirmary and Dispensary,

LANCS. (Class 1A E.M.S. 110 Beds.)

The Board of Management invite applications from Ladies or Gentlemen for appointment of SECOND HOUSE SURGEON. This is an "A" House appointment, and is open to Practitioners registered under the National Service Act within six months of medical registration.

The salary attached to the appointment is at the rate of £150 per annum, with residence, board, and laundry.

Applications, stating age, nationality, together with copies of three recent testimonials, should be sent immediately to the Secretary, Rochdale Infirmary.

## The King Edward VII

WELSH NATIONAL MEMORIAL ASSOCIATION.

Applications are invited from duly registered Medical Practitioners for the undermentioned posts:—

(1) HOUSE SURGEON (six months' appointment, Male or Female, single) at the GLAN ELY HOSPITAL, FAIRWATER, near CARDIFF (196 Beds for Pulmonary and Surgical Tuberculosis in men, women, and children);

(2) HOUSE PHYSICIAN (six months' appointment, Male, single) at the SULLY HOSPITAL, SULLY, GLAM (300 Beds for Pulmonary Tuberculosis).

Previous experience not essential.

Salary in each case at the rate of £200 per annum, plus maintenance.

Applications, stating age, qualifications, experience, &c., together with copies of three recent testimonials, should reach the undersigned not later than Wednesday, June 19th, 1940.

D. A. POWELL, Principal Medical Officer.

Cathays Park, Cardiff.

## County Borough of Oldham.

THE MUNICIPAL HOSPITAL.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the post of Resident Assistant Medical Officer. Applicants must not be over forty-five years of age.

Salary £200 per annum, with board, residence, and laundry. Candidates should be unmarried.

The person appointed will be required to pass a medical examination, and may be required to contribute to the Superannuation Fund of the Corporation.

The Hospital comprises 375 Beds, with facilities for gaining experience in Medicine, Surgery, Midwifery, and the Diseases of Children.

The appointment is an "A" Post and is open to Practitioners registered under the National Service (Armed Forces) Act, 1939, within six months of (Medical) Registration and the appointment is limited to six months.

Canvassing or submitting testimonials from members of the Council or of any Committee appointed by the Council will be a disqualification.

Application forms and conditions of appointment may be obtained from the Medical Officer of Health, Town Hall, Oldham, and should be returned, endorsed "Resident Assistant Medical Officer," not later than June 14th, 1940.

THOMAS ALKER, Town Clerk.

Town Hall, Oldham, 30th May, 1940.

## Coventry and Warwickshire Hospital.

Applications are invited for the following appointments:—

HOUSE SURGEON to the FRACTURE AND ORTHOPÆDIC DEPARTMENT.

HOUSE SURGEON to the EAR, NOSE, AND THROAT DEPARTMENT.

Each post, which is for six months terminating on October 31st next, carries with it a salary at the rate of £150 per annum, together with board, quarters, and laundry.

Applications, with full particulars, to be addressed to the undersigned immediately.

S. CECIL HILL, House Governor and Secretary.

## Norfolk and Norwich Hospital, Norwich.

(428 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (a "B" appointment). Salary £250 per annum, with board, residence, and laundry.

Applications are also invited for the following "A" appointments: GENERAL HOUSE SURGEON and HOUSE SURGEON to the SPECIAL DEPARTMENTS (Ear, Nose, and Throat and Ophthalmic). Salaries for these positions £120 per annum, with board, residence, and laundry.

Candidates (Male) must possess registered qualifications and should send applications, stating age, nationality, &c., together with copies of testimonials, as soon as possible to the undersigned.

FRANK INCH, House Governor and Secretary.

31st May, 1940.

## County Borough of Swansea.

TEMPORARY ASSISTANT MEDICAL OFFICER OF HEALTH (Male or Female).

Applications are invited from registered Medical Practitioners under forty years of age for the above-named post.

Candidates must possess a Diploma in Public Health, or have had at least three years' experience since qualification.

Experience in refraction and prescription of glasses will be regarded as an important additional qualification.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and to the person appointed passing a medical examination.

Salary £500, rising by annual increments of £25 to £700, plus an emergency cost of living bonus at the discretion of the Council, which is at present 6 per cent. on the first £300 and 3 per cent. on the next £200.

Application forms may be obtained from the Medical Officer of Health, Public Health Department, Guildhall, Swansea, to whom they should be returned not later than 13th June, 1940.

H. L. LANG-COATH, Town Clerk.

## City of Bradford.

INFECTIOUS DISEASES HOSPITAL.

TEMPORARY ASSISTANT MEDICAL OFFICER (Female) required.

Salary £200 per annum, plus board-residence.

Form of application may be obtained from the Medical Officer of Health, Town Hall, Bradford, and should be returned to him not later than the 12th June, 1940.

N. L. FLEMING, Town Clerk.

Town Hall, Bradford, 24th May, 1940.

## Nottingham General Hospital.

(389 Beds.)

A HOUSE SURGEON (Male or Female) is required at the above Hospital. The appointment is for six months, with salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of testimonials, to be sent to the undersigned immediately. Duties to commence as soon as possible.

HENRY M. STANLEY, House Governor and Secretary.

## The King Edward VII

WELSH NATIONAL MEMORIAL ASSOCIATION.

Applications are invited from duly registered Medical Practitioners (Male or Female, single) for the post of HOUSE PHYSICIAN (six months' appointment) at the SOUTH WALES SANATORIUM, TALGARTH, BRECON (286 Beds for Male Pulmonary Cases). Previous experience not essential. Salary at the rate of £200 per annum, plus maintenance.

Applications, stating age, qualifications, experience, &c., together with copies of three recent testimonials, should reach the undersigned not later than Wednesday, June 12th, 1940.

D. A. POWELL, Principal Medical Officer.

Cathays Park, Cardiff.

## The General Infirmary at Leeds.

(673 Beds.)

Applications are invited for the post of TEMPORARY ASSISTANT RADIOLOGIST in the new X-RAY DIAGNOSTIC DEPARTMENT.

Salary will be at the rate of £350 per annum, and the successful applicant will be employed for a minimum period of six months.

Candidates must be duly registered Medical Practitioners and special experience in Radiological work and the possession of a Radiological Diploma will be an advantage.

Applications, accompanied by copies of recent testimonials, stating age, qualifications, &c., should be sent to the undersigned not later than 15th June, 1940.

S. CLAYTON FRYERS, House Governor and Secretary.

## City of Nottingham.

NEW SANATORIUM.

RESIDENT MEDICAL SUPERINTENDENT.

Applications are invited for the position of Resident Medical Superintendent of a Sanatorium for Pulmonary Tuberculosis, which is now being built near Newstead, some twelve miles from the city. The sanatorium, which will have 182 Beds, will not be ready for occupation before the spring of 1941, but the officer will be required in the autumn of 1940 in order to work on the furnishing, equipping, and staffing.

The salary will be at the rate of £700 per annum, together with an unfurnished house free of rent and rates valued for superannuation purposes at £100 per annum. The salary will rise by £50 every two years to a maximum of £900.

Prior to taking up residence, the salary will be at the rate of £800 per annum, and the officer will be provided with office accommodation at the Tuberculosis Clinic.

The appointment will be subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937. The officer will work under the general supervision and control of the Medical Officer of Health.

Application forms may be obtained from the undersigned, and must be returned not later than June 20th.

J. E. RICHARDS, Town Clerk.

Guildhall, Nottingham, May, 1940.

## The Warwickshire and Coventry Joint

COMMITTEE FOR TUBERCULOSIS.

KING EDWARD VII MEMORIAL SANATORIUM, HERTFORD HILL, Near WARWICK.

Applications are invited for the post of JUNIOR ASSISTANT MEDICAL OFFICER (Man or Woman) at the Memorial Sanatorium, near Warwick, of 225 Beds.

The salary will be at the rate of £250 per annum, with board, lodging, and laundry in addition, and the successful candidate will be appointed for six months.

There are three other Medical Officers at the Sanatorium.

Applications, with copies of testimonials, should be forwarded direct to the Medical Superintendent at the Sanatorium to reach him by not later than Friday, the 14th June, 1940.

L. EDGAR STEPHENS, Clerk of the Joint Committee.

Shire Hall, Warwick, May, 1940.

## The Royal National Hospital for

CONSUMPTION AND DISEASES OF THE CHEST, VENTNOR.

An ASSISTANT RESIDENT MEDICAL OFFICER (Male or Female) required immediately. Salary at the rate of £250 per annum, with board, residence, and laundry allowance, with half-yearly increments at the rate of £25 per annum to a maximum of £300 per annum. The appointment will be for twelve months.

Applications, in candidate's own handwriting, stating age, qualifications, and experience (with one copy of three recent testimonials), to be sent to the Medical Superintendent, Royal National Hospital for Consumption, Ventnor, Isle of Wight, immediately.

## Grimsby and District Hospital.

(189 Beds.)

Applications are invited for the post of HOUSE PHYSICIAN. Remuneration £175 per annum, with board, residence, &c. Candidates must be fully qualified and registered. Duties to commence at once. Appointment for six months, option of renewal.

Applications, stating age, qualifications, experience, and not more than three testimonials, to be forwarded to the undersigned immediately.

H. B. COATES, Secretary-Superintendent.

1st June, 1940.

AMENDED ADVERTISEMENT.

## County of Southampton.

EMERGENCY HOSPITAL SCHEME.

APPOINTMENT OF RESIDENT MEDICAL OFFICERS.

Applications are invited for the undermentioned temporary appointments:—

ALTON EMERGENCY HOSPITAL (No. of Beds 350).

SENIOR RESIDENT MEDICAL OFFICER. Salary £550 a year ("B" post). Candidates must be Fellows of the Royal College of Surgeons.

JUNIOR RESIDENT MEDICAL OFFICER. Salary £150 a year ("A" post).

In each case board, lodging, and laundry will be provided.

WINCHESTER EMERGENCY HOSPITAL (No. of Beds 220).

SENIOR RESIDENT MEDICAL OFFICER. Salary £350 a year ("B" post). Candidates must have held a resident hospital appointment.

JUNIOR RESIDENT MEDICAL OFFICER. Salary £150 a year ("A" post).

Board, lodging, and laundry will be provided, but in the case of the Junior Medical Officer billeting may be necessary temporarily.

Applications, with copies of two testimonials of recent date, must reach me not later than 15th June, 1940.

C. J. A. CARTER, Public Assistance Officer.

The Castle, Winchester, 28th May, 1940.

## Walsall General Hospital.

The Committee invite applications from Men for the post of HOUSE PHYSICIAN AND RESIDENT ASSISTANT PATHOLOGIST, "B" appointment. Salary at the rate of £175 per annum.

13th May, 1940. WALTER FRANCOMBE, House Governor.

## Hull Royal Infirmary.

Applications are invited for the post of CASUALTY OFFICER (Male). Salary £150 per annum, with board, residence, and laundry.

The appointment will be for a period of six months.

Applications, stating age, experience, and nationality, together with copies of testimonials, should be addressed to the undersigned.

R. J. CARLESS, House Governor.

## Royal Buckinghamshire Hospital,

AYLESBURY.

(115 Beds.) (A1 Unit under E.M.S.)

Applications are invited for the following posts, each for a period of six months beginning 1st July, 1940:—

(1) SENIOR RESIDENT MEDICAL OFFICER ("A" post)—salary £180 per annum. (Previous experience, including anæsthesia, essential.)

(2) HOUSE SURGEON ("B" post)—£120 per annum.

(3) HOUSE PHYSICIAN ("B" post)—£120 per annum.

Full board, residence, and laundry provided.

Opportunity will be afforded to work with London Consultants, and to undertake duties, according to the post held, in all branches of medical and surgical practice, including anæsthesia.

Applications, supported by two recent testimonials, should be sent to the undersigned forthwith.

1st June, 1940. F. G. DAWES, Secretary.

## County Borough of South Shields.

ASSISTANT SCHOOL MEDICAL OFFICER

(Temporary).

Applications are invited from fully qualified and registered Women Medical Practitioners for the post of Assistant School Medical Officer for temporary duty during the period of the war at a salary of £500 per annum, rising by annual increments of £25 to £700 per annum.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

The person appointed will be under the administrative control of the Medical Officer of Health and she must devote her whole time to the duties of the post and must not engage in private practice.

Forms of application may be obtained from the Medical Officer of Health, Stanhope-road, South Shields.

Applications, with copies of three recent testimonials, should be received at my office not later than NOON on Saturday, 15th June, 1940, marked "Appointment of Assistant School Medical Officer."

V. C. CARTER, Education Secretary.

Education Department, Town Hall, South Shields,
27th May, 1940.

## Pembroke County War Memorial

HOSPITAL, HAVERFORDWEST.

106 Beds (plus 76 E.H.S. Beds in emergency).

RESIDENT HOUSE SURGEON.

Applications are invited for the post of Resident House Surgeon (Male) from duly qualified registered Medical Practitioners, or from retired Doctors volunteering for duration of war, to commence as soon as possible. Salary £200 per annum, with residence (private bungalow), board, and laundry.

Applications, stating age and accompanied by copies of not more than three testimonials, to be sent to the undersigned at the above address.

B. GLANVILLE DAVIES, Secretary.

## County of Warwick.

PUBLIC ASSISTANCE COMMITTEE.

Immediate applications are invited for the appointment of HOUSE SURGEONS (Male or Female) at the WARWICK, NUNEATON, and STRATFORD-ON-AVON EMERGENCY HOSPITALS.

Salary £200 per annum, with board, residence, and laundry. The appointments are for a period of six months.

Applications, stating age and qualifications, with copies of recent testimonials, should be sent at once to the Public Assistance Officer, Shire Hall, Warwick.

L. EDGAR STEPHENS, Clerk of the Council.

Shire Hall, Warwick, 29th May, 1940.

## Calderstones Emergency Hospital,

WHALLEY, near BLACKBURN.

APPOINTMENT OF RESIDENT HOUSEMEN.

Applications are invited for the positions of Resident Housemen (Physicians and Surgeons), Male or Female, at the Casualty Units (under the Emergency Hospital Scheme of the Ministry of Health).

The salary to be paid will, in accordance with qualifications and experience, be £200 per annum, in addition to the usual residential emoluments.

The appointments will be for a period of six months in the first instance.

Candidates must be of British nationality.

Applications, stating age, qualifications, and experience, together with copies of two recent testimonials, to be forwarded to the Medical Superintendent, Calderstones Emergency Hospital, Whalley, near Blackburn, as soon as possible.

## The Holy Cross Sanatorium,

HASLEMERE, SURREY.

Applications are invited for ASSISTANT RESIDENT MEDICAL OFFICER (Lady). Salary £200.

Applications should be made to the Sister Superior.

## Wrexham and East Denbighshire War

MEMORIAL HOSPITAL.

(170 Beds.)

RESIDENT HOUSE SURGEON (Male or Female). Appointment is for six months commencing July 15th, 1940. Salary £150 per annum, with board and lodging.

Applications, stating age, nationality, experience, and qualifications, to be sent, together with copies of three recent testimonials, to the undersigned immediately.

LESLIE SPENCER, Secretary.

May 31st, 1940.

## Coventry and Warwickshire Hospital.

(452 Beds.)

Applications are invited for the post of RESIDENT FEMALE ANÆSTHETIST. The appointment is for six months and is renewable. Salary at the rate of £150 per annum, together with full board, quarters, and laundry.

Applications, stating full particulars, should be addressed to the undersigned immediately.

S. CECIL HILL, House Governor and Secretary.

## Upton Emergency Hospital, Chester.

(340 Beds.)

Applications are invited from Men for the appointment of a JUNIOR RESIDENT HOUSE SURGEON for the above hospital.

The position would suit a newly qualified registered candidate who desires intensive surgical experience.

The salary is that laid down by the Ministry of Health, viz., £200 per annum, with the usual emoluments.

Applications to be made, accompanied by recent testimonials, to "The Medical Superintendent, Upton Emergency Hospital, Chester." Mention number of anæsthetics you have given. Travelling expenses for interview allowed. Early application is advisable.

## Sussex Maternity Hospital, Brighton.

(65 Beds.)

RESIDENT HOUSE SURGEON required. Salary at the rate of £130 per annum, and £40 per annum car or travelling allowance. Board and washing found. Good experience in midwifery, both Intern and District, afforded. No canvassing allowed. The successful candidate will be required to enter on his duties towards the end of June.

Applications in writing, accompanied by testimonials, should be sent to PERCY F. SPOONER, Secretary, at the Hospital, Buckingham-road, Brighton.

29th May, 1940.

## County Infirmary, Cambridge.

Immediate applications are invited for the appointment of a HOUSE SURGEON at the County Infirmary, Cambridge, a Public Assistance Institution Up-graded as a Class I Emergency Hospital. The total number of beds available in an emergency is 294; about 160 beds are occupied at the present time. Salary at the rate of £200 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, with copies of recent testimonials, should be sent at once to the Clerk of the Cambridgeshire County Council, Shire Hall, Castle Hill, Cambridge.

31st May, 1940.

## Chesterfield and North Derbyshire
ROYAL HOSPITAL.
(220 Surgical and Medical Beds.)

HOUSE SURGEON TO OPHTHALMIC AND EAR, NOSE, AND THROAT DEPARTMENTS.
("A" Appointment.)

Applications are invited from fully qualified Men for the above post.

The appointment is for six months from 1st July, 1940.

Salary at the rate of £150 per annum, with board, apartments, and laundry.

Applications, stating age and nationality, together with copies of three recent testimonials, should be sent to the undersigned as soon as possible.

M. H. BOONE, Superintendent and Secretary.

24th May, 1940.

## North Riding Infirmary, Middlesbrough
(General Hospital, 143 Beds. Three Residents.)

Applications are invited for the posts of CASUALTY OFFICER and HOUSE PHYSICIAN (Male or Female) for a period of six months, renewable. Duties of the house physician also include the administration of a number of anæsthetics.

Salaries are at the rate of £150 and £140 per annum respectively with board residence and laundry. Candidates must be unmarried and of British nationality. Duties to commence immediately. Applications, stating age, qualifications and experience, together with copies of three recent testimonials, should be sent to the undersigned forthwith.

GERALD A. KENYON, Secretary-Superintendent.

## The Children's Hospital, Sheffield.
(INC.). (157 Beds.)

Applications are invited for the post of HOUSE SURGEON, vacant 1st June, 1940.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry.

Candidates (unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

## Chesterfield and North Derbyshire
ROYAL HOSPITAL.
(220 Medical and Surgical Beds—226 War Emergency Beds.)

HOUSE SURGEON AND ASSISTANT CASUALTY OFFICER. "A Appointment."

Applications are invited from fully qualified men for the above post. The appointment is for six months.

Salary at the rate of £150 per annum, with board, apartments, and laundry.

Applications, stating age and nationality, together with copies of three recent testimonials, should be sent to the undersigned as soon as possible.

M. H. BOONE, Superintendent and Secretary.

4th May, 1940.

## Chesterfield and North Derbyshire
ROYAL HOSPITAL.
(220 Medical and Surgical Beds—226 War Emergency Beds.)

HOUSE PHYSICIAN. "A Appointment."

Applications are invited from fully qualified Men for the above post, which includes the giving of a certain number of Anæsthetics. The appointment is for six months.

Salary at the rate of £150 per annum, with board, apartments, and laundry.

Applications, stating age and nationality, together with copies of three recent testimonials, should be sent to the undersigned as soon as possible.

M. H. BOONE, Superintendent and Secretary.

4th May, 1940.

## Margate and District General Hospital.
(100 Beds.)

Applications are invited only from Practitioners with six months of registration for the post of RESIDENT MEDICAL OFFICER (Male).

Salary £150 per annum, with board and laundry. Appointment limited to six months.

Applications, accompanied by copies of testimonials, should be addressed to the Hospital Secretary as early as possible.

## Birmingham and Midland Eye Hospital,
CHURCH STREET, BIRMINGHAM 3

The Committee of Management are about to appoint an ASSISTANT SURGEON to this Hospital, and now invite applications for the post.

Election will be for three years as from the 1st August next, but the applicant appointed will be eligible for re-election.

Candidates must hold the following qualifications: Fellowship of the Royal College of Surgeons of England or Edinburgh; or Membership of the Royal College of Physicians, London; or Graduate in Medicine of a British University, and a Diploma in Ophthalmology.

Applications, together with testimonials, certificate of registration and of age, should be addressed to the House Governor on or before the 30th June, 1940. A copy of the rules and regulations will be forwarded on application.

27th May, 1940.

## Kettering and District General
HOSPITAL. (108 Ordinary and 50 Emergency Beds.)

HOUSE SURGEON }
HOUSE PHYSICIAN } Male.

Applications are invited for the above posts.

Salary £175 per annum, with board, residence, and laundry. Candidates must be fully qualified and registered.

Both appointments are for six months.

Applications, stating age, nationality, and qualifications, together with copies of three testimonials, to be sent to the undersigned as soon as possible.

G. W. JACKSON, Secretary-Superintendent.

## County Borough of Smethwick.
ST. CHAD'S HOSPITAL.

HOUSE SURGEON.

Applications are invited from registered Medical Practitioners for the appointment of House Surgeon at the Council's Municipal Hospital. The appointment will be for a period of six months at a salary at the rate of £150 per annum, with the usual emoluments. If the successful candidate is reappointed for a further period of six months, the salary will be at the rate of £200 per annum

The Hospital contains 147 Beds, and the cases treated include General Medical, Acute Surgical, and Maternity patients. It is staffed by the Honorary Consultants of the Birmingham teaching hospitals.

Forms of application may be obtained from the Medical Superintendent, St. Chad's Hospital, Hagley-road, Birmingham, 16, to whom applications, endorsed "House Surgeon" and accompanied by copies of three recent testimonials, must be delivered not later than 13th June, 1940.

Canvassing, directly or indirectly, will disqualify.

FRANK CHAPMAN, Town Clerk.

Council House, Smethwick, 28th May, 1940.

## The Jessop Hospital for Women,
SHEFFIELD. (151 Beds.)

The Board of Management invite applications for the post of REGISTRAR AND OBSTETRICAL TUTOR (full time). The duties include Ante-natal work and teaching of students. Preference may be given to candidates with F.R.C.S. (Eng.) or (Ed.) and M.R.C.O.G. Salary £250 per annum, with board, lodging, telephone, and certain other extras. The appointment will be for the duration of the war, but may be terminated by three months' notice on either side at any time. Membership of a Medical Defence Society is a condition of appointment.

Applications, with copies of recent testimonials, should be addressed to the undersigned as soon as possible.

DAVID OSWALD, Superintendent and Secretary.

## Huddersfield Royal Infirmary.
(321 Beds.)

Male HOUSE SURGEON required, to commence duty on 5th July, 1940. Salary £150 per annum, with board, residence, and laundry. Appointment for six months, subject to renewal at the discretion of the Board of Management. The Hospital is officially recognised for the surgical practice required of non-members before admission to the Final Fellowship Examination of one of the Royal Colleges of Surgeons of England.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, General Superintendent and Secretary.

## Huddersfield Royal Infirmary.
(321 Beds.)

Male HOUSE SURGEON required, to be attached to EYE, EAR, NOSE, AND THROAT DEPARTMENTS. Duties, which include the administration of anæsthetics, to commence on 30th June, 1940. Salary will be at the rate of £150 per annum, with board, residence, and laundry. Appointment for six months, subject to renewal for a similar period.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, General Superintendent and Secretary.

## The Friends' Retreat, York.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER (Woman) at the above registered Mental Hospital (200 Beds). Commencing salary £350 per annum, with board, residence, and laundry. An additional £50 per annum is paid to Assistants who hold or who obtain the D.P.M. The appointment is subject to the provisions of the Retreat Superannuation Scheme. There are two other medical officers on the staff. Previous mental hospital experience is desirable. The selected applicant will be asked to undergo a medical examination and to take up her duties on the 1st September next.

Applications, with copies of three recent testimonials, stating qualifications, experience, age, nationality, and religion, to be sent to the Medical Superintendent.

## Boston General Hospital, Lincs.
(70 Beds.)

RESIDENT MEDICAL OFFICER required to commence duty immediately. Salary £150 per annum, with board, residence, and laundry. The appointment is for six months.

Applications, stating age, qualifications, and previous experience together with copies of three recent testimonials, should be addressed to the Secretary.

## Kent County Ophthalmic and Aural
HOSPITAL, MAIDSTONE.
(150 Beds.)

Applications are invited for the post of OPHTHALMIC HOUSE SURGEON, which post is now vacant. Candidates may be of either sex, and should have had experience of refractions. The Hospital is recognised by the Examining Board for the D.O.M.S. Salary at the rate of £300 per annum, with board and residence.

Applications, stating age and qualifications, together with copies of not more than three testimonials, should be sent to the undersigned.

JOHN W. STRICKLAND, Secretary.

## Kent County Ophthalmic and Aural
HOSPITAL, MAIDSTONE.
(150 Beds.)

Applications are invited for the post of HOUSE SURGEON to the EAR, NOSE, AND THROAT DEPARTMENT, which post is now vacant.

Candidates may be of either sex, and should have had experience of the specialty. The Hospital is recognised by the Examining Board for the D.L.O. Salary at the rate of £300 per annum, with board and residence.

Applications, stating age and qualifications, together with copies of not more than three testimonials, should be sent to the undersigned.

JOHN W. STRICKLAND, Secretary.

## City of Plymouth.
CITY GENERAL HOSPITAL. (570 Beds.)

Applications are invited from duly qualified and registered Medical Practitioners for the post of
JUNIOR ASSISTANT MEDICAL OFFICER.

Salary at the rate of £250 per annum, with full residential emoluments. All fees received by the officer must be refunded to the Council.

The appointment (which is designated "A" for War Service purposes) will be for the period of six months and will be terminable by one month's notice on either side.

The duties of the post will be on the surgical side of the Hospital. Further details may be obtained from the Medical Superintendent.

Forms of application may be obtained from the undersigned, and should be forwarded, together with copies of not more than three recent testimonials, not later than Monday, 24th June, 1940.

T. PEIRSON, Medical Officer of Health.

The Town Hall, Stonehouse, Plymouth.

## Cardiff Royal Infirmary.
(Associated with the Welsh National School of Medicine.)
(380 Beds.)

Applications are invited from qualified Practitioners for the post of HOUSE SURGEON to the OPHTHALMIC DEPARTMENT of this Hospital. (Male or Female.)

Salary will be at the rate of £80 per annum, with board-residence.

Applications are also invited for the post of JUNIOR RESIDENT ANÆSTHETIST AND PART-TIME ASSISTANT in the OPHTHALMIC DEPARTMENT. Salary will be at the rate of £50 per annum, with board-residence.

Applications, giving details of qualifications, &c., should be sent to the undersigned at the earliest possible moment.

R. ARMSTRONG, M.B., Ch.B.,
General Superintendent and Secretary.

## Derbyshire Royal Infirmary, Derby.
APPOINTMENT OF HONORARY ASSISTANT SURGEON.

Applications are invited for the post of Honorary Assistant Surgeon to the Infirmary.

Candidates must be qualified in accordance with the Rules of the Institution.

The appointment will be subject to the accepted limitations imposed by the War Emergency.

Further information, if required, may be obtained from the undersigned.

Applications for the position should be accompanied by not more than five testimonials, and six copies of both applications and testimonials should be submitted not later than 10 A.M. on 29th June, 1940.

Canvassing in person or otherwise will be a disqualification.

By Order,
ARTHUR TAYLOR, Superintendent and Secretary.

## The Bolton Royal Infirmary.
(318 Beds, including two auxiliary Hospitals.)

Two HOUSE SURGEONS are required. Salary £150 per annum, with board, residence, and laundry. The appointment is for six months.

Applications, stating age, nationality, and experience, together with three copies of testimonials, to reach the undersigned not later than Wednesday, 12th June, 1940.

H. AUBREY FROGGATT, Superintendent-Secretary.

## The Royal Hospital, Sheffield, 1.
(422 Beds.)

Applications are invited for RESIDENT SURGICAL OFFICER (Male) who must be a Fellow of one of the Royal Colleges of Surgeons. Previous resident surgical experience essential as this is the senior resident post. Salary £200 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, to—

W. H. BOOTH, Superintendent.

## Cambridgeshire Mental Hospital,
FULBOURN, CAMBS.

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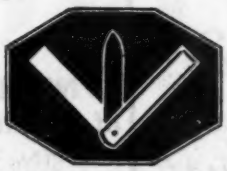

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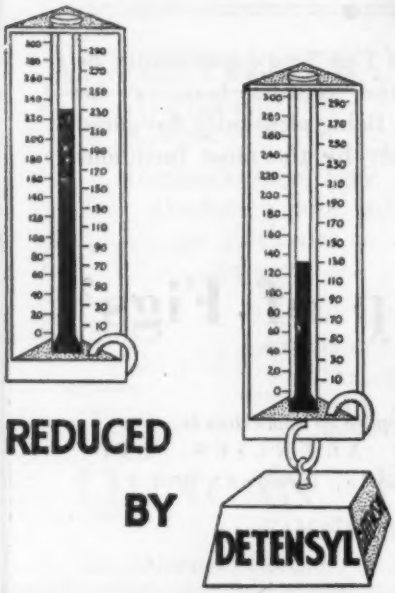

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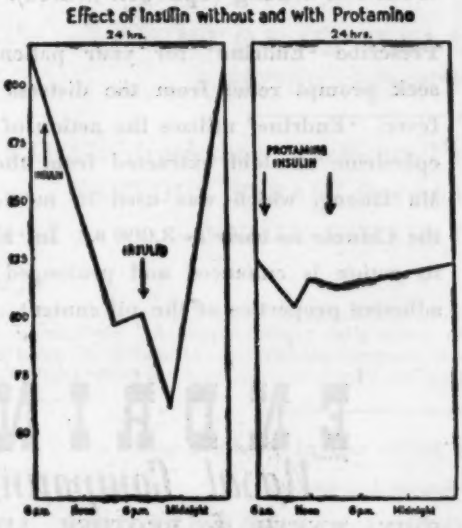


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**40 units per c.cm.**
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(*Brit. Med. Jour.*, May 18, 1940, p. 814)

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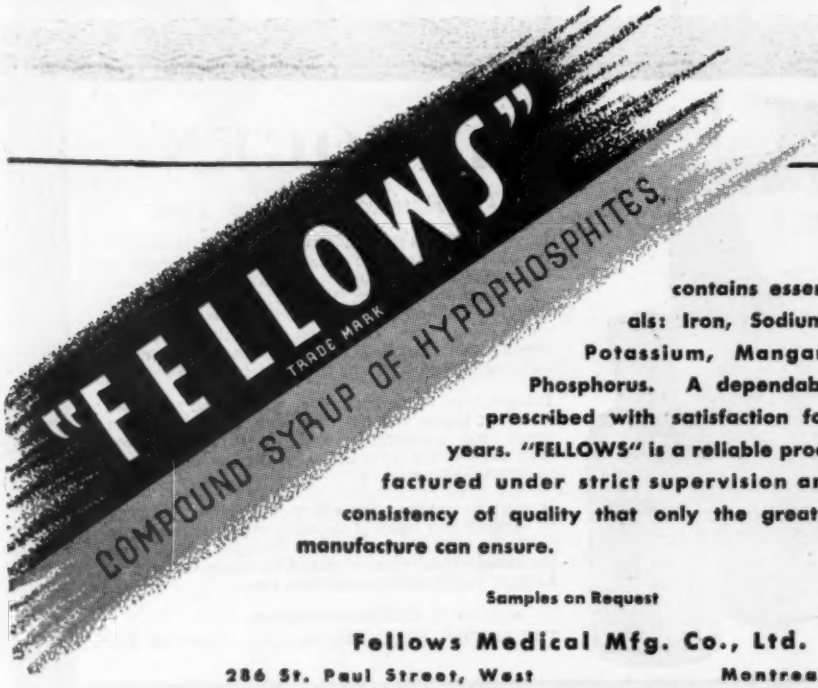


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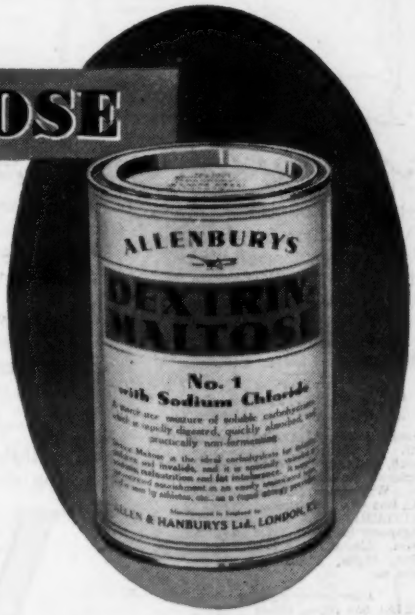


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Jarman, R., and Abel, A. L., 1936, Intravenous Anaesthesia with Pentothal Sodium, Lancet 1:422

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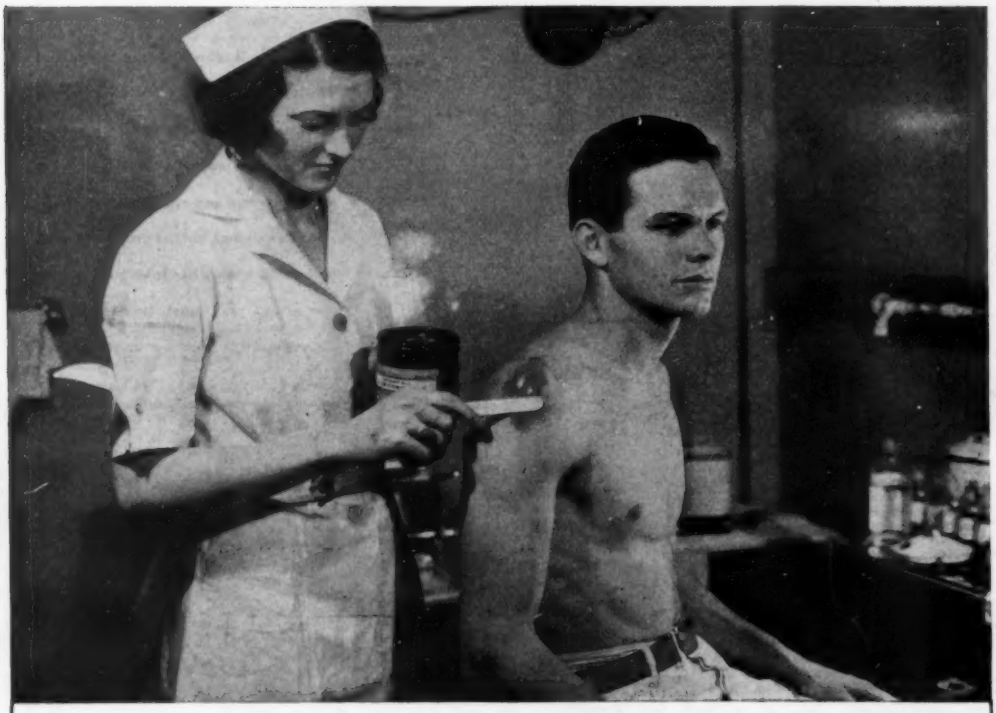

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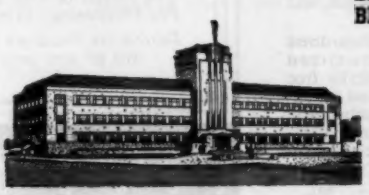

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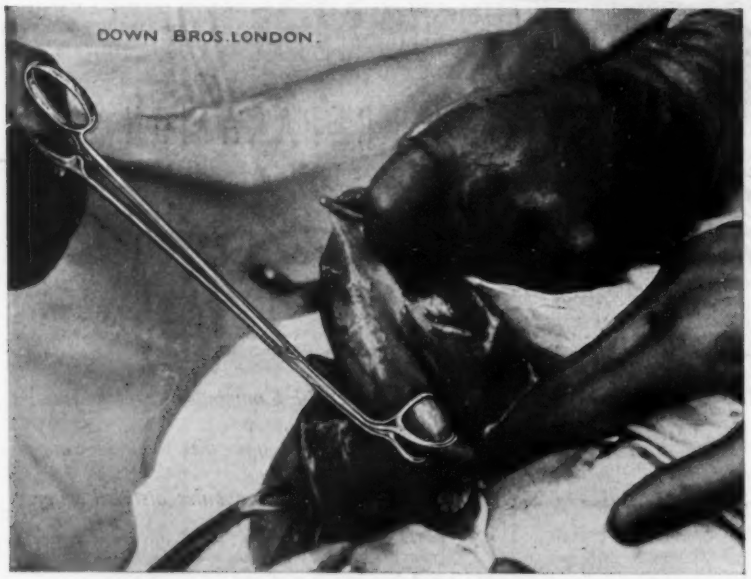


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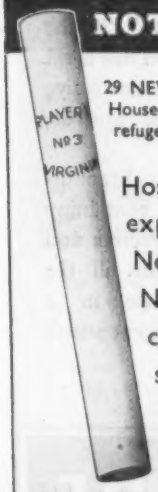


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Examinations for Part I (Physics) will be held in February and July, 1941, and for Part II (Radiology, Electrology, and Pathology) in July and October, 1941.

The previous decision of the University to cease to grant the Diploma after October, 1941, has been rescinded. It has been decided that courses and examinations for the Diploma shall be continued during the period of national emergency, and that at least a year's notice of discontinuance shall be given.

The Courses are open to men and women whose medical qualifications are approved by the General Medical Council for purposes of registration, and who satisfy the Committee that they have had sufficient post-graduate clinical experience.

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G. STEAD, M.A., Secretary for the Diploma, Cavendish Laboratory, Cambridge,
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DIPLOMA IN OPHTHALMIC MEDICINE AND SURGERY, MONDAY, JULY 8TH.
DIPLOMA IN MEDICAL RADIOLOGY, MONDAY, JULY 15TH.
Candidates who have fulfilled the necessary conditions, and who desire to present themselves for Examination, must give notice in writing to the Secretary, Examination Hall, 8–11, Queen-square, London, W.C.1, at least twenty-one days before the date of the Examination, transmitting at the same time such certificates as may be required by the Regulations of the Board.
HORACE H. REW, Secretary.

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A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Six acres of ground facing Finsbury Park. Voluntary and Temporary Patients received without certification. Occupational Therapy, Psychotherapy, and other modern forms of treatment. Air-raid Shelters have been provided.

*Telephone:* Stamford Hill 2688. *Telegrams:* "SUBSIDIARY, LONDON."

Convalescent Home, KEARSNEY COURT, DOVER.

For further particulars apply to the MEDICAL SUPERINTENDENT.

# SHAFTESBURY HOUSE

**FORMBY-BY-THE-SEA Nr. LIVERPOOL**

Specially built and licensed for the care and treatment of a limited number of Ladies and Gentlemen suffering from NERVOUS and MENTAL breakdown. Voluntary and certified patients received. Ladies also admitted as Temporary Patients without certification. Terms moderate. *Apply*, RESIDENT PHYSICIAN, who may be seen in Liverpool, by appointment. *Tel. No.* 8 *Formby.*

# THE OLD MANOR SALISBURY

*A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.*

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

**CONVALESCENT HOME AT BOURNEMOUTH** Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 3216 and 3217

# CALDECOTE HALL

**NUNEATON WARWICKSHIRE**

('Phone: Nuneaton 241)

**Residential treatment of**

## "Nervous Disorders" & Alcoholism

**(Certifiable cases are not received)**

This beautiful mansion situated in the heart of the country (less than two hours from London by L.M.S.R.) and surrounded by charming pleasure grounds in which games and outdoor occupational therapy are available is devoted to the treatment of Alcoholism and "Nerves" by psychotherapeutic and ancillary methods.

*Illustrated Brochure and particulars obtainable from A. E. CARVER, M.D., D.P.M., Resident Medical Superintendent.*

# ST. ANDREW'S HOSPITAL

## FOR NERVOUS AND MENTAL DISORDERS, NORTHAMPTON

*FOR THE UPPER AND MIDDLE CLASSES ONLY.*

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, K.G., C.M.G., A.D.C.

MEDICAL SUPERINTENDENT: THOMAS TENNENT, M.D., M.R.C.P., D.P.H., D.P.M.

This Registered Hospital is situated in 130 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble; temporary patients, and certified patients of both sexes are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

### WANTAGE HOUSE

This is a Reception Hospital in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the complete investigation and treatment of Mental and Nervous Disorders by the most modern methods; insulin treatment is available for suitable cases. It contains special departments for hydrotherapy by various methods, including Turkish and Russian baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical baths, Plombieres treatment, etc. There is an Operating Theatre, a Dental Surgery, an X-Ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High-frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research. Psychotherapeutic treatment is employed when indicated.

### MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupational therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

### BRYN-Y-NEUADD HALL

The seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North-West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout-fishing in the park.

At all the branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard courts), croquet grounds, golf courses, and bowling greens. Ladies and gentlemen have their own gardens, and facilities are provided for handicrafts, such as carpentry, etc.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

# PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." Telephones: Rodney 2841 and 2842.

The above House is for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified voluntary and temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. Occupational therapy, physical drill, and other forms of modern treatment. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor drives are arranged when required. Tennis courts. Entertainments, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

# CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

***For the treatment of MENTAL DISORDERS.***

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds. Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel. **Shock and also modified Insulin Therapy.**

Senior Physician: DR. HUBERT JAMES NORMAN, assisted by a resident Medical Staff, and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

**The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.**

# THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the Treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air, SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-ray controlled). TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms: 5 to 7½ Guineas a week inclusive.**

*Med. Supt.:* GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* G. N. BARKER, F.R.C.S. Edin., D.L.O. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S.R.C.S. Lond. *Phone:* 81 & 82 Witcombe. Applr: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman Birdlip."

# PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: DR. H. O. BLANFORD, to whom application for admission can be made.

# RUTHIN CASTLE, NORTH WALES

A Clinic for the diagnosis and treatment of Internal Diseases (except Mental or Infectious Diseases).

The Clinic is provided with a staff of doctors, technicians and nurses.

The surroundings are beautiful. The climate is mild. There is central heating throughout. The annual rainfall is 30·5 inches, that is, less than the average for England.

The inclusive weekly fees are from 15 guineas a week, according to the room occupied; rooms with bathroom are from 21 guineas. An examination and consultation fee of 15 guineas is charged on the first visit only.

SPECIAL FEE FOR INVESTIGATION ONLY—30 GUINEAS, including stay up to 10 days and report to doctor. For particulars, apply to

THE SECRETARY, Ruthin Castle, North Wales.

*Telegrams:* Castle, Ruthin. *Telephone:* Ruthin 66.

## THE RETREAT, YORK

The Pioneer Hospital, opened 1796, for the humane treatment of those suffering from Nervous and Mental Disorder

This Hospital of 200 beds, administered by a Committee of the Society of Friends, combines what is best in the investigation and treatment of nervous illness with a sympathetic and friendly atmosphere. Last year 118 patients were admitted, of whom 84 were voluntary cases.

Much curative work is accomplished in our mental hospitals to-day and the recovery rate compares very favourably with that of our general hospitals.

For information and terms of admission apply to:—
The Physician Superintendent,
ARTHUR POOL, M.R.C.P.
(Telephone: York 3612)
who is available for consultation

## COURT HALL, KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS

## CLIFFDEN, TEIGNMOUTH

FOR EARLY AND CONVALESCENT CASES Recreational Therapies are held daily by skilled Leaders

The house stands high with spacious balconies and extensive views of the South Devon Coast. Beautiful garden. Own Dairy in 25 acres. Private road to beach.

There is also a charming house, EBWORTHY, MANATON, DARTMOOR, situated in 20 acres, 1100 ft. up for bracing moorland air.

*Resident Physicians*—BERTHA M. MULES, M.D., B.S. ANNE S. MULES, M.R.C.S., L.R.C.P.

Telephones—STARCROSS 59 and TEIGNMOUTH 289

## CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines)

## CRICHTON ROYAL, DUMFRIES For NERVOUS AND MENTAL DISORDERS

Separate Villa for patients suffering from the effects of alcoholism and drug addiction. Every facility for complete investigation and individual treatment on the most modern lines. Fully equipped gymnasium, golf course, and indoor swimming pool. Specially trained occupational and recreational therapists. **Special Department for Insulin Therapy.** As the hospital is well endowed terms are exceptionally moderate, e.g., First Department from 3 guineas per week, Second Department, 2 and 2½ guineas per week. Voluntary and certified patients are received. Medical Certificates given anywhere in the British Isles are valid for admission of patients. *For prospectus, necessary forms, and further information apply to:—*

Physician Superintendent, P. K. McCowan, J.P., M.D., F.R.C.P., D.P.M., Barrister-at-Law. Tel. Dumfries 1119.

## HAYDOCK LODGE,

### NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders, Alcoholism and Drug addiction, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

*Ireland for a Peaceful Holiday!*

**GREAT NORTHERN RAILWAY HOTELS**

**Ideal surroundings and every comfort**

**BUNDORAN** (COUNTY DONEGAL)

On the Atlantic Seaboard, most bracing climate in Ireland. Golf (18-Hole Course in Hotel Grounds); Shooting, Fishing, Tennis (Hard and Grass Courts). Accommodation for 120 Guests. Central Heating. H. & C. Water in all Bedrooms. Excellent Cuisine.

**ROSTREVOR** (COUNTY DOWN)

At the foot of the Mourne Mountains. Mild equable climate. Golf (18-Hole Course); Tennis (Hard Court). Accommodation for 70 Guests. Central Heating. H. & C. Water in all Bedrooms. Zotofoam Baths. Excellent Cuisine.

**GREENORE** (COUNTY LOUTH)

Sheltered position on Carlingford Lough, facing the Mourne Mountains. Accommodation for 50 guests. 18-Hole Golf Course beside the Hotel. Fishing, Boating, Bathing, Mountaineering.

APPLY TO THE RESIDENT MANAGERESS FOR BROCHURE

The various recognized forms of

**SPA TREATMENT**

are fully available throughout the whole year at

**THE MARINE SPA**

**TORQUAY**

*(Under the direction of the Corporation of Torquay)*

Luxuriously appointed Balneological—Electrical—and accessory sections

With modern equipment and a skilled staff holding the C.S.M.M.G., etc., qualifications

*Illustrated Brochure and any other information on application to:—*

H. BERKELEY HOLLYER, *General Manager*

27, The Marine Spa, TORQUAY

*(Formerly Manager of the Brine Baths, Droitwich Spa)*

**ALCOHOLISM**

*Drug Habits, and Nervous Disorders*

25 minutes from London, situated in charming grounds and country, is a "home from home" for those seeking rest and treatment under medical supervision. Fees from 6 guineas. Illustrated brochure on application to the matron.

CHISLEHURST 451

**OLD HILL HOUSE**

**CHISLEHURST, KENT.**

**THE COPPICE, NOTTINGHAM.**

**HOSPITAL FOR MENTAL DISEASES.**

President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

Telephone: 64117 Nottingham.

**BROOKE HOUSE, CLAPTON**

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

*For further particulars apply—*

Dr. ERNEST ROLLINS, Resident Physician.

*Tel.:* Amherst 1642.

**STRETTON HOUSE,**

**Church Stretton, Shropshire.**

ESTABLISHED IN 1853.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Patients under the provisions of the Mental Treatment Act, 1930. Bracing hill country. See "Medical Directory," p. 2358.—Apply to the Medical Superintendent. 'Phone 10 P.O., Church Stretton.

**CITY OF LONDON MENTAL HOSPITAL**

**Near DARTFORD, KENT.**

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of £2 9s., and upwards.

**MALLING PLACE, KENT**

For LADIES and GENTLEMEN of Unsound Mind.

Terms moderate. Apply to Resident Medical Superintendent. Telegrams: ADAM WEST MALLING. Telephone No. 2: MALLING.

**SPRINGFIELD HOUSE**

Phone: BEDFORD 3417. **Near BEDFORD**

**For Mental Cases with or without Certificates.**

*Ordinary Terms: Five Guineas per week (including Separate Bedrooms for all suitable cases without extra charge).*

For forms of admission, &c., apply to the Resident Physician, CEDRIC W. BOWER.

INTERVIEWS IN LONDON BY APPOINTMENT.

## PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

## UNIVERSITY EXAMINATION POSTAL INSTITUTION

Founded in 1882 by E. S. WEYMOUTH, M.A.

**Postal or Oral Preparation for all Medical Examinations.**

### SOME SUCCESSES

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M.D. (various), by Thesis. Many Successes.

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**MEDICAL PROSPECTUS (36 pages),**

sent gratis, along with List of Tutors, &c., on application to the Principal, 17, Red Lion-square, London, W.C.1. (Telephone: Holborn 6313.)

## Dreadnought Seamen's Hospital,

Greenwich, S.E.10.

The Committee of Management of the Seamen's Hospital Society announce a vacancy in the post of HOUSE PHYSICIAN for six months from 1st July. Designated "A" appointment.

Salary at the rate of not less than £155 per annum, with board, residence, and laundry.

Applications to be forwarded to the undersigned with copies of not more than three recent testimonials.

F. A. LYON, Secretary.

Seamen's Hospital Society, Greenwich, S.E.10, 3rd June, 1940.

## British Postgraduate Medical School.

Applications are invited for the post of FIRST ASSISTANT (whole time) in the DEPARTMENT OF MEDICINE. Candidates must be Members of the Royal College of Physicians and preferably have had some teaching experience. Duties commence on July 1st, 1940, and the salary offered is £300, plus a war bonus of £200 per annum.

Applications will be received up to the first post on June 22nd, 1940, and should be addressed to: The Dean, British Postgraduate Medical School, Ducane-road, London, W.12, from whom further particulars can be obtained.

## The Woolwich and District Hospital

ASSOCIATION (INCORPORATED)

MEMORIAL HOSPITAL, Shooters Hill, London, S.E.18.

(General Hospital—112 Beds.)

The Board of Management invites applications from suitably qualified Male candidates for the post of JUNIOR RESIDENT MEDICAL OFFICER ("A" appointment) for six months, with effect from July 1st, 1940. Remuneration will be at the rate of £133 6s. 8d. per annum, plus board, residence, and laundry.

Application should be made on the prescribed form, obtainable from the undersigned. The closing date for the receipt of applications is Monday, June 24th.

R. S. G. HUTCHINGS, Secretary.

## Middlesex County Council.

RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER required for REDHILL COUNTY HOSPITAL, EDGWARE, MIDDLESEX. Salary £250 per annum, board, lodging, and laundry.

Must be registered Medical Practitioner and held resident appointments in general hospital. Whole-time duties, mainly obstetric and gynæcological, under supervision of Medical Superintendent. Qualifying obstetric post for M.R.C.O.G. and D.R.C.O.G. Appointment, subject to medical examination and one month's notice, for six months, may be extended a further six months.

Application to undersigned. No forms provided. Relationship to any member or officer of Council to be disclosed. Copies of not more than three recent testimonials. Canvassing direct or indirect disqualifies. Closing date, 22nd June.

C. W. RADCLIFFE, "B3," Clerk of the County Council.

Guildhall, Westminster, S.W.1.

## Middlesex County Council.

NON-RESIDENT ASSISTANT RADIOLOGIST (D.M.R.E.) required for WEST MIDDLESEX COUNTY HOSPITAL, Twickenham-road, ISLEWORTH, MIDDLESEX. Registered Medical Practitioner, experienced in diagnostic and therapeutic X-ray work. Salary £650–£25–£800 per annum inclusive, any fees received paid to County Council.

Unestablished appointment, subject to medical examination and three months' notice. Whole-time duties under Medical Superintendent and Radiologist.

Applications to undersigned. No forms provided. Relationship to any member or officer of the Council to be disclosed. Copies of not more than three recent testimonials. Canvassing direct or indirect disqualifies. Closing date, 29th June.

C. W. RADCLIFFE, "B3," Clerk of the County Council.

Guildhall, Westminster, S.W.1.

## Soho Hospital for Women,

SOHO SQUARE, W.1.

Applications are invited from qualified men and women for two appointments of temporary ANÆSTHETIST.

Honoraria £1 1*s.* 0*d.* per session.

Particulars of attendance can be obtained from the undersigned, to whom applications should be sent not later than June 22nd.

J. P. HEMING, Secretary.

## The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),

Fulham-road, London, S.W.3.

A Course of Study in Medical Radiology qualifying for the DIPLOMA IN MEDICAL RADIOLOGY of the University of London and the Royal Colleges of Physicians and Surgeons will commence on TUESDAY, 1ST OCTOBER, 1940, at the Royal Cancer Hospital, Fulham-road, London, S.W.3.

The Course includes Theoretical and Practical Instruction in Clinical Radiology (Radiation Therapy and X-ray Diagnosis) and also Physics applied to Medical Radiology.

Full particulars may be obtained on application at the above address to the Secretary.

CLEMENT COBBOLD, Secretary.

## Battersea General Hospital

(85 Beds),

BATTERSEA PARK, LONDON, S.W.11.

Applications are invited for the Honorary appointment of CLINICAL ASSISTANT to the EAR, NOSE and THROAT DEPARTMENT of the Hospital. At present the weekly clinic is held on Wednesdays at 2.30 p.m. Applications, with copies of two recent testimonials, should be sent to the Secretary at the Hospital not later than the 25th June.

## Metropolitan Borough of Hammersmith.

TEMPORARY ASSISTANT MEDICAL OFFICER,

A.R.P. (Male).

Applications are invited for above temporary appointment for a period in the first instance of not exceeding 12 months; determinable by one month's notice; commencing salary £500 p.a. Previous A.R.P. experience under a local authority and recent surgical experience will be an advantage.

Applications—on forms (giving terms and conditions of appointment) obtainable from the undersigned upon receipt of a stamped, addressed foolscap envelope—to be delivered to the undersigned not later than 9 a.m. on Friday, 28th June, 1940.

Canvassing will disqualify.

HUGH ROYLE, Town Clerk.

## The London Homœopathic Hospital

(Incorporated by Royal Charter),

Great Ormond-street and Queen-square,

Bloomsbury, W.C.1.

CASUALTY CLEARING STATION,

SECTOR IV,

EMERGENCY HOSPITAL SERVICE.

APPOINTMENT OF HOUSE PHYSICIAN ("A")

Applications are invited from registered Medical Practitioners, Male or Female, for the appointment of a House Physician now vacant, including registered Practitioners within six months of qualification. The appointment will be limited to six months. Salary is at the rate of £100 per annum, with full residential emoluments plus a proportion of grant received for emergency services.

Selected candidates will be required to attend for interview. Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of testimonials, to be sent to the undersigned.

L. J. KNOWLES, Secretary.

## St. Mark's Hospital for Cancer, Fistula,

AND OTHER DISEASES OF THE RECTUM,

City-road, London, E.C.1.

Applications are invited for the post of HOUSE SURGEON (Male). Salary £120 per annum, with board, residence, and laundry. Duties to commence July 1st, 1940.

Applications, with copies of testimonials, must reach the Secretary (from whom further particulars may be obtained) not later than Friday, June 21st, 1940.

## Royal Waterloo Hospital for
CHILDREN AND WOMEN,
WATERLOO ROAD, LONDON, S.E.1.

SENIOR RESIDENT MEDICAL OFFICER.

There will be a vacancy shortly for a Senior Resident Medical Officer. Applications are invited from well qualified practitioners who are unlikely to be required for military service. Those having had previous hospital experience would be preferred.

Suggested commencing salary £350 per annum.

Application, enclosing testimonials, should be sent to the undersigned, from whom further particulars can be obtained, not later than 28th June.

J. H. TEASDALE, Secretary.

## London Jewish Hospital,
Stepney Green, E.1.

Applications are invited immediately from British candidates (Male or Female) for the post of :—

(a) OUT-PATIENT MEDICAL REGISTRAR. The holder will be required to attend the Out-patient Department on three afternoons a week. Honorarium at the rate of £80 per annum.

(b) RESIDENT HOUSE OFFICER (House Physician, House Surgeon and Casualty Officer's duties in rotation). Salary at the rate of £100 per annum.

## Applications are invited from fully
qualified Medical Women for the following posts :—

ELIZABETH GARRETT ANDERSON HOSPITAL, Euston-road, N.W.1.—One SENIOR MEDICAL OFFICER, two JUNIOR MEDICAL OFFICERS, for a period of six months.

OSTER HOUSE HOSPITAL, ST. ALBANS.—One SENIOR MEDICAL OFFICER and one JUNIOR RESIDENT, for a period of six months; two JUNIOR RESIDENTS, for a period of three months.

Salaries will be pooled under the Emergency Medical Services Scheme and allocated according to experience, with a minimum of £100 per annum.

Applications, with copies of three testimonials, should be sent to the Secretary of the Elizabeth Garrett Anderson Hospital by the 28th June.

## King George Hospital, Ilford
(Nr. London). (207 Beds.)

Two HOUSE SURGEONS (Male) required to fill House appointments for a period of six months. Salary: minimum £100, maximum £200.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, as soon as possible.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

## Tilbury Hospital, Tilbury, Essex.

The Committee of Management of the Seamen's Hospital Society will receive applications for the post of RESIDENT HOUSE OFFICER ("A" designation). For the six months commencing 1st July, 1940. Salary at the rate of £200 per annum, with board, residence, and laundry. Applications, to be forwarded immediately to the undersigned with copies of not more than three recent testimonials.

F. A. LYON, Secretary.

Seamen's Hospital Society, Greenwich, S.E.10,
3rd June, 1940.

## Essex County Hospital, Colchester.
(269 Beds.)

Wanted 1st July, ASSISTANT HOUSE SURGEON AND CASUALTY OFFICER (Male). Salary £120 p.a. with board, residence and laundry. Applications, with three recent testimonials, to be sent to the Secretary by Friday, 21st June.

## The Royal Hospital, Wolverhampton.
(Incorporated under Royal Charter.)

Applications are invited for the following appointment:—CASUALTY OFFICER. Salary £100 per annum, duties to commence forthwith.

The Hospital contains 300 Beds, includes the usual special departments, and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts and unmarried.

The appointment is for six months. Board, furnished room, and laundry provided.

Applications, with copies of testimonials, to be forwarded to the undersigned. W. H. HARPER, House Governor.

Wolverhampton, 4th June, 1940.

## City of Exeter.

EXETER CITY HOSPITAL E.M.S.

JUNIOR HOUSE SURGEON (Male) required at once. Salary at rate of £175 per annum, with board, lodging, and laundry. An "A" appointment tenable for six months.

Apply, with copies of two recent testimonials, to :—

G. B. PAGE, M.D., D.P.H., Medical Officer of Health.

5, Southernhay West, Exeter, 11th June, 1940.

## The Nottingham Hospital for Women.

HOUSE SURGEON (Female) required to commence duties early June, 1940. Appointment for period of not less than six months. Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, experience, and qualifications, accompanied by copies of three recent testimonials, to be sent forthwith to the Secretary, Mr. A. L. MORELL, Burton Buildings, Upper Parliament-street, Nottingham.

## Huddersfield Royal Infirmary.
(321 Beds.)

Male HOUSE SURGEON (an "A" appointment) required, to be attached to EYE, EAR, NOSE, AND THROAT DEPARTMENTS. Duties, which include the administration of anæsthetics, to commence on 30th June, 1940. Salary will be at the rate of £150 per annum, with board, residence, and laundry. Appointment for six months, subject to renewal for a similar period.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, General Superintendent and Secretary.

## Cameron Hospital, West Hartlepool.
(86 Beds.)

HOUSE SURGEON (Male or Female) required to commence duties immediately. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age, nationality, and experience, together with copies of testimonials, should be sent to the undersigned as soon as possible. C. S. KAY, Secretary.

## Nottingham General Hospital.
(389 Beds.)

A HOUSE SURGEON (Male or Female) is required at the above Hospital. The appointment is for six months, with salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of testimonials, to be sent to the undersigned immediately. Duties to commence as soon as possible.

HENRY M. STANLEY, House Governor and Secretary.

## Stockport Infirmary.
(159 Beds.)

Applications are invited for the post of HOUSE PHYSICIAN, which becomes vacant on 24th June. The appointment is for six months. Salary £150 per annum, with board, residence, and laundry. The Resident Staff consists of a Resident Surgical Officer, three House Surgeons, and a House Physician.

Candidates (unmarried) should forward applications forthwith, stating age, nationality, &c., together with copies of three testimonials, to the undersigned.

H. G. PRICE, Secretary-Superintendent.

## Lincoln County Hospital.

Wanted, JUNIOR HOUSE SURGEON (Male, unmarried). Salary at the rate of £150 per annum. Board, residence, and washing will also be provided.

Every candidate for the appointment must be registered under the Medical Acts.

Applications, stating age and other particulars, with copies of not more than three testimonials, are to be sent to the undersigned, from whom further particulars may be obtained.

ARTHUR MOORE, Secretary-Superintendent.

Lincoln, 1st June, 1940.

## Bristol Royal Infirmary.
(Branch of the Bristol Royal Hospital.)

Applications are invited for the post of SENIOR RESIDENT MEDICAL OFFICER. Salary at the rate of £200 per annum, with board, apartments, and laundry. In addition, substantial fees are received from various sources.

Candidates, who should possess a special surgical qualification, to send in their applications, stating age, together with copies of not more than four testimonials, to the undersigned on or before July 1st, 1940.

ELLIS C. SMITH, F.C.I.S., Secretary and House Governor.

## The Bolton Royal Infirmary.
(318 Beds, including Two Auxiliary Hospitals.)

A vacancy occurs for a HOUSE SURGEON (Male or Female). Salary £150 per annum, with board, residence, and laundry.

Applications, stating age, nationality, and experience, together with copies of testimonials, to be forwarded to the undersigned not later than Thursday, 20th June, 1940.

H. AUBREY FROGGATT, Superintendent-Secretary.

## The Bolton Royal Infirmary.
(318 Beds, including Two Auxiliary Hospitals.)

A vacancy occurs for a HOUSE SURGEON (Male or Female), mainly in charge of GYNÆCOLOGICAL and EAR, NOSE, AND THROAT DEPARTMENTS. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age, nationality, and experience, together with copies of testimonials, to be forwarded to the undersigned not later than Thursday, 20th June, 1940.

H. AUBREY FROGGATT, Superintendent-Secretary.

## Royal Cornwall Infirmary, Truro.

(185 Beds.)

Applications are invited for the post of HOUSE SURGEON in charge of the Orthopædic (including Fracture Clinic) and Casualty Departments—to commence duty on the 1st July, 1940.

Salary £120 per annum.

Each appointment carries with it board, residence, and laundry, and is open to applicants of either sex.

Applications, giving usual particulars, with copies of recent testimonials, should be forwarded to the undersigned.

W. E. GRENFELL, Hon. Secretary.

## City of Coventry, Municipal General HOSPITAL.

APPOINTMENT OF TEMPORARY MEDICAL SUPERINTENDENT.
(Resident.)

The Public Health Committee invite applications for the above from experienced medical men preferably over military age. The officer appointed will be under the administrative direction of the Medical Officer of Health. The Hospital is a Class 1.A hospital in the Emergency Scheme. The appointment is temporary for the period of the war, and is terminable by two months' notice on either side. Salary £900 per annum. plus house, fuel, light and laundry. Applications, with copies of three recent testimonials, to be made as soon as possible to the undersigned.

A. MASSEY, M.D., Medical Officer of Health.

The Council House, Coventry, June 4th, 1940.

## East Lancashire Homes for Disabled SAILORS AND SOLDIERS

BROUGHTON HOUSE, PARK LANE, KERSAL, MANCHESTER.

RESIDENT MEDICAL SUPERINTENDENT required, unmarried man or widower. Quarters, board and laundry provided. Salary £400 per annum. Post would suit retired R.A.M.C. or other Service Medical Officer. Knowledge of Electro-therapeutics an advantage. Apply to E. MESSENGER, F.C.A., Secretary, 40, South King Street, Manchester 2.

## Manchester and Salford Hospital for SKIN DISEASES.

(54 Beds. 18,250 Out-patients per annum.)

HOUSE SURGEON.

Applications are invited for the post of House Surgeon. Must be registered. The appointment is for six months. Salary at the rate of £150 per annum, with board and residence.

Applications, with copies of three testimonials, to be sent to the undersigned, Quay-street, Manchester, not later than June 24th.

JOHN NALL, Secretary.

## Calderstones Emergency Hospital, WHALLEY, near BLACKBURN.

APPOINTMENT OF RESIDENT HOUSEMEN.

Applications are invited for the positions of Resident Housemen (Physicians and Surgeons), Male or Female, at the Casualty Units (under the Emergency Hospital Scheme of the Ministry of Health).

The salary to be paid will, in accordance with qualifications and experience, be £200 per annum, in addition to the usual residential emoluments.

The appointments will be for a period of six months in the first instance.

Candidates must be of British nationality.

Applications, stating age, qualifications, and experience, together with copies of two recent testimonials, to be forwarded to the Medical Superintendent, Calderstones Emergency Hospital, Whalley, near Blackburn, as soon as possible.

## Counties of Midlothian, West Lothian AND PEEBLES.

MEDICAL OFFICER OF HEALTH.

Applications are invited for the appointment of MEDICAL OFFICER of HEALTH for the COUNTIES of MIDLOTHIAN, WEST LOTHIAN and PEEBLES.

Salary £1200, rising by annual increments of £50 to £1500. Travelling allowance £230 per annum.

The appointment is subject to superannuation.

Conditions of appointment may be obtained from the undersigned with whom twelve copies of application and of not more than three recent testimonials must be lodged not later than 26th June, 1940. G. J. MCGREGOR.

County Rooms, George IV Bridge, Edinburgh, 1.
5th June, 1940.

## York County Hospital.

(222 Beds.)

Applications are invited for the following resident posts :—

(a) HOUSE SURGEON.

(b) HOUSE SURGEON to the EYE, EAR, NOSE, AND THROAT DEPARTMENT.

The salary attaching to each post is £150 per annum, with board, residence, and laundry.

Applications, stating age and previous experience, together with copies of not more than three recent testimonials, to be sent to the undersigned immediately.

J. R. MACKRILL, Secretary.

## Coventry and Warwickshire Hospital.

Applications are invited for the following appointments :—

HOUSE SURGEON to the FRACTURE AND ORTHOPÆDIC DEPARTMENT.

HOUSE SURGEON to the EAR, NOSE, AND THROAT DEPARTMENT.

Each post, which is for six months terminating on October 31st next, carries with it a salary at the rate of £150 per annum, together with board, quarters, and laundry.

Applications, with full particulars, to be addressed to the undersigned immediately.

S. CECIL HILL, House Governor and Secretary.

## Coventry and Warwickshire Hospital.

(452 Beds.)

Applications are invited for the post of RESIDENT FEMALE ANÆSTHETIST. The appointment is for six months and is renewable. Salary at the rate of £200 per annum plus private fees, together with full board, quarters, and laundry.

Applications, stating full particulars, should be addressed to the undersigned immediately.

S. CECIL HILL, House Governor and Secretary.

## Cambridgeshire Mental Hospital, FULBOURN, CAMBS.

Wanted, ASSISTANT MEDICAL OFFICER, with a knowledge of Practical Pathology. The appointment will be subject to the Asylum Officers' Superannuation Act, 1909. Salary £350, rising by annual increments of £25 to £450 per annum, with board, lodging, laundry, and attendance, valued for pension purposes at £125.

Application should be made to the Medical Superintendent.

## Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of CASUALTY OFFICER and SUPERNUMERARY HOUSE OFFICER. The appointment will be for six months from 1st July, 1940, but is terminable at an earlier date by one month's written notice on either side. Salary will be at the rate of £130 per annum, with board, residence and laundry.

Candidates, male or female, who must be unmarried and duly registered, are requested to forward their applications stating age, qualifications, &c., together with copies of not more than four testimonials, to the undersigned on or before Wednesday, 19th June, 1940.

J. A. BEARDSALL, Secretary-Superintendent.

## Margate and District General Hospital.

(100 Beds.)

Applications are invited only from Practitioners with six months of registration for the post of RESIDENT MEDICAL OFFICER (Male).

Salary £150 per annum, with board and laundry. Appointment limited to six months.

Applications, accompanied by copies of testimonials, should be addressed to the Hospital Secretary as early as possible.

## Kettering and District General HOSPITAL. (108 Ordinary and 50 Emergency Beds.)

HOUSE SURGEON }
HOUSE PHYSICIAN } Male.

Applications are invited for the above posts.

Salary £175 per annum, with board, residence, and laundry. Candidates must be fully qualified and registered.

Both appointments are for six months.

Applications, stating age, nationality, and qualifications, together with copies of three testimonials, to be sent to the undersigned as soon as possible.

G. W. JACKSON, Secretary-Superintendent.

## North Riding Infirmary, Middlesbrough

(General Hospital, 143 Beds. Three Residents.)

Applications are invited for the posts of CASUALTY OFFICER and HOUSE PHYSICIAN (Male or Female) for a period of six months, renewable. Duties of the house physician also include the administration of a number of anæsthetics.

Salaries are at the rate of £150 and £140 per annum respectively with board residence and laundry. Candidates must be unmarried and of British nationality. Duties to commence immediately. Applications, stating age, qualifications and experience, together with copies of three recent testimonials, should be sent to the undersigned forthwith.

GERALD A. KENYON, Secretary-Superintendent.

## Upton Emergency Hospital, Chester.

(340 Beds.)

Applications are invited from Men for the appointment of a JUNIOR RESIDENT HOUSE SURGEON for the above hospital.

The position would suit a newly qualified registered candidate who desires intensive surgical experience.

The salary is that laid down by the Ministry of Health, viz., £200 per annum, with the usual emoluments.

Applications to be made, accompanied by recent testimonials, to "The Medical Superintendent, Upton Emergency Hospital, Chester." Mention number of anæsthetics you have given. Travelling expenses for interview allowed. Early application is advisable.

## The Royal National Hospital for
CONSUMPTION AND DISEASES OF THE CHEST, VENTNOR.

An ASSISTANT RESIDENT MEDICAL OFFICER (Male or Female) required immediately. Salary at the rate of £250 per annum, with board, residence, and laundry allowance, with half-yearly increments at the rate of £25 per annum to a maximum of £300 per annum. The appointment will be for twelve months.

Applications, in candidate's own handwriting, stating age, qualifications, and experience (with one copy of three recent testimonials), to be sent to the Medical Superintendent, Royal National Hospital for Consumption, Ventnor, Isle of Wight, immediately.

## Borough of Llanelly.

ASSISTANT (LADY) MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

The Town Council invite applications for the above whole-time appointment from duly qualified single Lady Medical Practitioners. Applicants must have had at least three years' experience in the medical profession and special experience in midwifery and child welfare work. Possession of the Diploma in Public Health will be an advantage.

Salary £500, increasing by annual increments of £25 to £700 per annum.

The officer will be required primarily to carry out duties relative to Maternity and Child Welfare and School Children, and any assigned work in connexion with the Medical Services of the Borough under the direction of the Medical Officer of Health.

The appointment is subject to the Superannuation Act.

The selected candidate must pass a satisfactory medical examination.

Prescribed application forms may be obtained from the undersigned, and when sent in should be endorsed "Assistant Medical Officer," and addressed so as to be delivered to the undersigned on or before the 20th June, 1940.

DAVID J. PHILLIPS, Town Clerk.

Town Hall, Llanelly, 4th June, 1940.

## The King Edward VII
WELSH NATIONAL MEMORIAL ASSOCIATION.

Applications are invited from duly registered Medical Practitioners for the undermentioned posts:—

(1) HOUSE SURGEON (six months' appointment, Male or Female, single) at the GLAN ELY HOSPITAL, FAIRWATER, near CARDIFF (196 Beds for Pulmonary and Surgical Tuberculosis in men, women, and children);

(2) HOUSE PHYSICIAN (six months' appointment, Male, single) at the SULLY HOSPITAL, SULLY, GLAM (300 Beds for Pulmonary Tuberculosis).

Previous experience not essential.

Salary in each case at the rate of £200 per annum, plus maintenance.

Applications, stating age, qualifications, experience, &c., together with copies of three recent testimonials, should reach the undersigned not later than Wednesday, June 19th, 1940.

D. A. POWELL, Principal Medical Officer.

Cathays Park, Cardiff.

## Pembroke County War Memorial
HOSPITAL, HAVERFORDWEST.
106 Beds (plus 76 E.H.S. Beds in emergency).

RESIDENT HOUSE SURGEON.

Applications are invited for the post of Resident House Surgeon (Male) from duly qualified registered Medical Practitioners, or from retired Doctors volunteering for duration of war, to commence as soon as possible. Salary £200 per annum, with residence (private bungalow), board, and laundry.

Applications, stating age and accompanied by copies of not more than three testimonials, to be sent to the undersigned at the above address.

B. GLANVILLE DAVIES, Secretary.

## Birmingham and Midland Eye Hospital,
CHURCH STREET, BIRMINGHAM 3

The Committee of Management are about to appoint an ASSISTANT SURGEON to this Hospital, and now invite applications for the post.

Election will be for three years as from the 1st August next, but the applicant appointed will be eligible for re-election.

Candidates must hold the following qualifications: Fellowship of the Royal College of Surgeons of England or Edinburgh; or Membership of the Royal College of Physicians, London; or Graduate in Medicine of a British University, and a Diploma in Ophthalmology.

Applications, together with testimonials, certificate of registration and of age, should be addressed to the House Governor on or before the 30th June, 1940. A copy of the rules and regulations will be forwarded on application.

27th May, 1940.

## East Suffolk and Ipswich Hospital.

TO MEDICAL WOMEN.

RESIDENT MEDICAL OFFICER (Female) required for branch establishment at Felixstowe (82 Beds). Classed 1A in the Emergency Hospital Scheme. Salary £250 per annum, with board, apartments, &c.

ARTHUR GRIFFITHS, Secretary.

The Hospital, Ipswich, 7th June, 1940.



## City of Plymouth.
CITY GENERAL HOSPITAL. (570 Beds.)

Applications are invited from duly qualified and registered Medical Practitioners for the post of

JUNIOR ASSISTANT MEDICAL OFFICER.

Salary at the rate of £250 per annum, with full residential emoluments. All fees received by the officer must be refunded to the Council.

The appointment (which is designated "A" for War Service purposes) will be for the period of six months and will be terminable by one month's notice on either side.

The duties of the post will be on the surgical side of the Hospital. Further details may be obtained from the Medical Superintendent.

Forms of application may be obtained from the undersigned, and should be forwarded, together with copies of not more than three recent testimonials, not later than Monday, 24th June, 1940.

T. PEIRSON, Medical Officer of Health.

The Town Hall, Stonehouse, Plymouth.

## Kent County Ophthalmic and Aural
HOSPITAL, MAIDSTONE.
(150 Beds.)

Applications are invited for the post of HOUSE SURGEON to the EAR, NOSE, AND THROAT DEPARTMENT, which post is now vacant.

Candidates may be of either sex, and should have had experience of the specialty. The Hospital is recognised by the Examining Board for the D.L.O. Salary at the rate of £300 per annum, with board and residence.

Applications, stating age and qualifications, together with copies of not more than three testimonials, should be sent to the undersigned.

JOHN W. STRICKLAND, Secretary.

## Kent County Ophthalmic and Aural
HOSPITAL, MAIDSTONE.
(150 Beds.)

Applications are invited for the post of OPHTHALMIC HOUSE SURGEON, which post is now vacant. Candidates may be of either sex, and should have had experience of refractions. The Hospital is recognised by the Examining Board for the D.O.M.S. Salary at the rate of £300 per annum, with board and residence.

Applications, stating age and qualifications, together with copies of not more than three testimonials, should be sent to the undersigned.

JOHN W. STRICKLAND, Secretary.

## Derbyshire Royal Infirmary, Derby.

APPOINTMENT OF HONORARY ASSISTANT SURGEON.

Applications are invited for the post of Honorary Assistant Surgeon to the Infirmary.

Candidates must be qualified in accordance with the Rules of the Institution.

The appointment will be subject to the accepted limitations imposed by the War Emergency.

Further information, if required, may be obtained from the undersigned.

Applications for the position should be accompanied by not more than five testimonials, and six copies of both applications and testimonials should be submitted not later than 10 A.M. on 29th June, 1940.

Canvassing in person or otherwise will be a disqualification.

By Order,
ARTHUR TAYLOR, Superintendent and Secretary.

## The Royal Alexandra Hospital for
SICK CHILDREN, BRIGHTON.
(100 Beds.)

HOUSE PHYSICIAN (Male) required. Salary at the rate of £150 per annum, with board, lodging, and laundry. No canvassing allowed. The Hospital is recognised for the D.C.H. Diploma and the M.D. Examination, Branch 1. To commence duties at the end of June.

Applications in writing, accompanied by testimonials, should be sent to P. F. SPOONER, Secretary, at the Hospital, Dyke-road, Brighton.

3rd June, 1940.

## Hull Royal Infirmary.

Applications are invited for the post of CASUALTY OFFICER (Male). Salary £150 per annum, with board, residence, and laundry.

The appointment will be for a period of six months.

Applications, stating age, experience, and nationality, together with copies of testimonials, should be addressed to the undersigned.

R. J. CARLESS, House Governor.

## Royal Hospital, Richmond, Surrey.

Applications to be received by the 19th June, 1940, for the following post:—

JUNIOR HOUSE SURGEON (Male), £100 per annum. Appointment to take effect from the 1st July, 1940.

Board, furnished apartments, and laundry. Candidates must be fully qualified, registered, and single. Form of application can be obtained from the undersigned.

M. E. WRIGHT, Acting Secretary.

## The Children's Hospital, Sheffield.
(INC.). (157 Beds.)

HOUSE SURGEON required immediately.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry.

Candidates (unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

## Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of RESIDENT ANÆSTHETIST AND EMERGENCY OFFICER. The appointment will be for three months from August 1st, 1940. Salary will be at the rate of £130 per annum, with board, residence, and laundry.

Candidates (Male or Female), who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four testimonials, to the undersigned on or before Wednesday June 26th, 1940.

J. A. BEARDSALL, Secretary-Superintendent.

## Addenbrooke's Hospital, Cambridge.

Applications are invited for the following posts :—

(a) HOUSE SURGEON to the SPECIAL DEPARTMENTS, with care of beds for Ear, Nose and Throat, Eye, Gynæcological and Maternity Cases, vacant on July 15th, 1940.

(b) HOUSE SURGEON, vacant on August 1st, 1940.

Each appointment is tenable for a period of six months, but is terminable at an earlier date by one month's written notice on either side.

The salary of each officer will be at the rate of £130 per annum, with board, residence, and laundry.

Candidates (Male or Female), who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four testimonials, to the undersigned on or before Wednesday, June 26th, 1940.

J. A. BEARDSALL, Secretary-Superintendent.

## Sutton and Cheam Hospital,
SUTTON, SURREY.
(75 Beds normal. Plus 75 emergency.)

Applications are invited immediately for a SECOND RESIDENT MEDICAL OFFICER (Male). The appointment (Class A) will be for six months, from July 1st next.

Salary £150 per annum, with residence, board, and laundry.

Applications, giving full particulars as to age and qualifications, together with copies of three recent testimonials, should be sent to the Secretary not later than Saturday, 22nd June, 1940.

## Northamptonshire County Council.

EMERGENCY HOSPITAL SCHEME—PARK HOSPITAL, WELLINGBOROUGH. (400 Beds.)

Applications are invited from registered Medical Practitioners for appointments of JUNIOR MEDICAL OFFICERS at Park Hospital, Wellingborough (Group 1A Hospital).

Salary £200 per annum, plus board and lodging, or allowance up to £100 per annum in lieu thereof.

Applications, stating age, qualifications, and experience, must reach the undersigned by 21st June, 1940.

J. ALAN TURNER, Clerk of the County Council.

County Hall, Northampton, June, 1940.

## City of Manchester.

CRUMPSALL HOSPITAL. (1400 Beds.)
(Recognised under the regulations for the F.R.C.S.)

The Public Health Committee invites applications from registered Medical Women for the post of RESIDENT ASSISTANT OBSTETRICAL OFFICER at the above-named hospital.

The salary for the appointment is £250 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, P.O. Box 399, Hospitals Administration Section, Town Hall, Manchester, 2, and applications for the post must be received by him not later than 24th June, 1940.

R. H. ADCOCK, Town Clerk.

Town Hall, Manchester, 2, 10th June, 1940.

## Nottingham General Hospital.
(389 Beds.)

A CASUALTY OFFICER (Male or Female) is required immediately at the above Hospital. The appointment is for six months, with salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of testimonials, to be sent to the undersigned immediately. Duties to commence as soon as possible.

HENRY M. STANLEY, House Governor and Secretary.

## General Hospital, Nottingham.
(389 Beds.)

ORTHOPÆDIC AND FRACTURE DEPARTMENT.

A HOUSE SURGEON (Male or Female) is required for the above Department. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry. Experience in the treatment of fractures desirable.

Candidates are asked to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned. Duties to commence as early as possible.

HENRY M. STANLEY, House Governor and Secretary.

## County Borough of Middlesbrough.
HEALTH DEPARTMENT.

HEMLINGTON EMERGENCY HOSPITAL.

Applications are invited for the appointment of ASSISTANT RESIDENT MEDICAL OFFICER at the above Emergency Hospital at a salary of £350 per annum, plus usual residential emoluments.

The successful candidate may at the Council's discretion be required to live outside the Hospital, in which case £100 per annum will be payable in lieu of the residential emoluments.

The candidate must have had previous experience as a House Surgeon or House Physician in a General Hospital. He will be directly responsible to a Senior Medical Officer at the Hospital and generally responsible to the Medical Officer of Health.

The successful candidate will be required to pass satisfactorily a medical examination.

Applications, accompanied by copies of three recent testimonials, to be sent immediately to the Medical Officer of Health, Health Department, Municipal Buildings, Middlesbrough.

PRESTON KITCHEN, Town Clerk.

Municipal Buildings, Middlesbrough, 10th June, 1940.

## Taunton and Somerset Hospital.
(132 Beds.)

A Lady HOUSE SURGEON required at the end of June for six months. Another H.S. and a H.P. also in residence. Salary at the rate of £150 per annum, with board, lodging, and laundry, and the retention of certain fees.

Applications, with copies of not more than three recent testimonials, to F. J. J. STACEY, Secretary, T. & S. Hospital, Taunton.

## City of Birmingham Education
COMMITTEE.

APPOINTMENT OF THREE ASSISTANT SCHOOL MEDICAL OFFICERS (Men or Women).

Three Assistant School Medical Officers (Men or Women) are required to begin duty about September, 1940. Candidates must have had at least three years' experience in the practice of their profession subsequent to obtaining a registrable qualification.

Salary according to "Askwith" Scale (£500 to £700 by annual increments of £25). In fixing commencing salary previous service in Class II of "Askwith" Scale may be taken into account. £10 per annum travelling expenses allowed.

Forms of application (to be returned not later than first post on Monday, 1st July, 1940), together with further information, obtainable from the undersigned on receipt of stamped addressed foolscap envelope. Communications should be endorsed "Assistant School Medical Officer."

Canvassing will disqualify.

P. D. INNES, Chief Education Officer.

Education Office, Margaret-street, Birmingham, 3,
7th June, 1940.

## The Children's Hospital
KING EDWARD VII MEMORIAL,
BIRMINGHAM, 16.

CASUALTY HOUSE SURGEON.

Applications are invited for the above post. The salary is at the rate of £75 per annum, with board, residence, and laundry, but if candidates have held satisfactory appointments at approved hospitals the salary will be at the rate of £100 per annum. The appointment is tenable for six months as from 13th August, 1940.

Candidates, who must be fully qualified and registered, should send in their applications to the undersigned on or before 29th June, 1940.

HAROLD F. SHRIMPTON, House Governor.

6th June, 1940.

## Leicester Royal Infirmary.
(500 Beds.)
(Staff: 2 Res. Surgical Officers; 3 House Surgeons; 1 Res. Radiologist; 2 Cas. Officers; 3 Res. Anæsthetists.)

RESIDENT ANÆSTHETIST.

There will be a vacancy for a Resident Anæsthetist on 1st July.

Salary at the rate of £150 per annum for first six months, £200 per annum for second six months, £250 per annum for third six months, £250 per annum for fourth six months.

Applications should be forwarded forthwith to the House Governor and Secretary.

7th, June 1940.

## County Borough of Swansea.

TEMPORARY ASSISTANT MEDICAL OFFICER OF HEALTH (Male or Female).

Applications are invited from registered Medical Practitioners under forty years of age for the above-named post.

Candidates must possess a Diploma in Public Health, or have had at least three years' experience since qualification.

Experience in refraction and prescription of glasses will be regarded as an important additional qualification.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and to the person appointed passing a medical examination.

Salary £500, rising by annual increments of £25 to £700, plus an emergency cost of living bonus at the discretion of the Council, which is at present 6 per cent. on the first £300 and 3 per cent. on the next £200.

Application forms may be obtained from the Medical Officer of Health, Public Health Department, Guildhall, Swansea, to whom they should be returned immediately.

H. L. LANG-COATH, Town Clerk.

## Royal Berkshire Hospital, Reading.

Applications are invited for the post of RESIDENT ANÆSTHETIST (Male) which falls vacant on July 1st, 1940.

The appointment is for six months in the first instance. Candidates must be fully qualified and registered and have had considerable experience in the administration of anæsthetics.

A salary of £250 per annum, with board, residence, and laundry, will be paid to the candidate possessing suitable qualifications for the post.

Applications, stating age and experience, with copies of not more than three recent testimonials, to be sent to the undersigned as soon as possible.

H. E. RYAN, Secretary and House Governor.

## The Prince of Wales's Hospital,

PLYMOUTH.

Amalgamating

SOUTH DEVON AND EAST CORNWALL HOSPITAL, GREENBANK ROAD.

ROYAL ALBERT HOSPITAL, DEVONPORT.

CENTRAL HOSPITAL, LOCKYER STREET.

Applications are invited for the post of SENIOR HOUSE SURGEON for duty at the Devonport Hospital (64 Beds)—a "B" appointment. Salary £150 per annum, with board, residence, and laundry.

Applications are also invited for the following "A" appointments. JUNIOR HOUSE SURGEON for duty at the Devonport Hospital, and HOUSE OFFICER for duty at the Lockyer Street Hospital (50 Beds). Salaries for these positions are £130 and £150 per annum respectively, with board, residence, and laundry.

Candidates must possess registered qualifications and should send applications, stating age, nationality, &c., together with copies of testimonials, as soon as possible to the undersigned.

ARTHUR R. CASH, General Superintendent.

3rd June, 1940.

## County Borough of Oldham.

SCHOOL MEDICAL AND PUBLIC HEALTH DEPARTMENTS.

ASSISTANT SCHOOL MEDICAL OFFICER AND ASSISTANT MEDICAL OFFICER OF HEALTH (Male or Female).

Applications are invited from registered Medical Practitioners for the position of Whole-time Assistant School Medical Officer and Assistant Medical Officer of Health (to act while permanent officer is on war service).

The salary will be at the rate of £550 per annum, rising by annual increments of £25 to £700 per annum. The duties will be principally in connexion with the work of the School Medical Department, but include duties in the Public Health Department.

Canvassing or submitting testimonials from members of the Council or of any Committee appointed by the Council will be a disqualification.

The officer appointed may be required to contribute to the Corporation's Superannuation Scheme, and to pass a satisfactory medical examination.

Forms of application and conditions of appointment may be obtained from the Medical Officer of Health, Town Hall, Oldham, to whom they must be returned not later than 10 A.M. on the 6th July, 1940, endorsed "School Medical Officer," together with copies of three recent testimonials.

MAURICE HARRISON, Director of Education.

Education Offices, Oldham, 5th June, 1940.

## General Hospital, Nottingham.

(389 Beds.)

EAR, NOSE, AND THROAT DEPARTMENT.

A HOUSE SURGEON (Male or Female) is required for the above department containing 40 Beds and a large Out-patient Department. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.

Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned immediately.

Duties to commence as soon as possible.

HENRY M. STANLEY, House Governor and Secretary.

## St. Audry's Hospital for Mental

DISEASES, MELTON, WOODBRIDGE, SUFFOLK.

TEMPORARY ASSISTANT MEDICAL OFFICER (Male, ineligible for military service) required. Salary £7 7s. per week, with board, lodging, washing, and attendance.

Applications, stating age and full particulars, accompanied by copies of two recent testimonials, should be sent to the Medical Superintendent as soon as possible.

## County Borough of Halifax.

HALIFAX GENERAL HOSPITAL. (405 Beds.)

RESIDENT MEDICAL OFFICER (Male or Female).

Applications are invited from duly qualified registered Medical Practitioners for the above appointment. Salary £250 per annum, together with board, residence, and laundry.

The appointment will be for a term not exceeding twelve months and is not renewable.

Forms of applications and conditions of appointment can be obtained from the Medical Officer of Health, Powell-street, Halifax.

Completed applications, together with copies of not more than three recent testimonials, endorsed "Resident Medical Officer," should be forwarded to the undersigned as early as possible. Canvassing, either directly or indirectly, will be a disqualification.

GEORGE C. F. ROE, Medical Officer of Health.

General Hospital, Halifax, 4th June, 1940.

## The Otago Hospital Board.

UNIVERSITY OF OTAGO AND DUNEDIN HOSPITAL, NEW ZEALAND.

Applications are invited for the position of RESIDENT MEDICAL OFFICER (Senior).

Candidates must hold a degree in Medicine of a British University, must have been qualified for three years and have held resident hospital appointments for at least one year. Preference given to unmarried applicants.

The successful applicant will be required to act as Medical Tutor under the direction of the Professor of Medicine and as Resident Physician and Medical Registrar.

Salary to be at the rate of £500 per annum, with board and residence.

Full details may be obtained on application to the High Commissioner for New Zealand, 415, Strand, W.C.2.

JOHN JACOBS, Secretary.

Otago Hospital Board, Dunedin, New Zealand,
23rd May, 1940.

## The Otago Hospital Board.

UNIVERSITY OF OTAGO AND DUNEDIN HOSPITAL, NEW ZEALAND.

Applications are invited for Two SENIOR ASSISTANTS ON THE MEDICAL UNIT.

Candidates must hold a degree in Medicine of a British University, must have qualified for three years and have held hospital appointments.

The duties of the successful applicants will consist of routine hospital work and teaching under the direction of the Professor of Medicine (Dr. F. H. Smirk).

Salary to be at the rate of £600 per annum, non-resident.

There will be both facilities and time for research, and in some cases the above-mentioned salary will be supplemented later by a research grant.

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## The Royal Infirmary, Bradford.

Two HOUSE SURGEONS (Male) wanted immediately. Six months' appointment. Candidates must be single and legally qualified. Salary £150 per annum, with board, residence, and laundry. There are 345 Beds and 10 Resident Officers.

Applications, stating age, nationality, qualifications, and previous experience, with copies of recent testimonials, should be sent to the undersigned as soon as possible.

H. TRUSSON, House Governor and Secretary.

11th June, 1940.

## Royal Hospital, Richmond, Surrey.

Applications to be received by the 19th June, 1940, for the following post:—

SENIOR HOUSE SURGEON (Male). £150 per annum. Appointment to take effect from the 1st July, 1940.

Board, furnished apartments, and laundry. Candidates must be fully qualified, registered, and single. Form of application can be obtained from the undersigned.

M. E. WRIGHT, Acting Secretary.

## The Guest Hospital, Dudley.

(General Hospital. 139 Beds.)

The Resident Staff consists of a Resident Surgical Officer and three House Surgeons.

CASUALTY HOUSE SURGEON (Male) required. Salary at the rate of £150 per annum, plus £100 per annum war bonus, with furnished apartments, board, and laundry. Candidates must be fully qualified and registered.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned.

H. RAYMOND HURST, House Governor and Secretary.

11th June, 1940.

## Hull Corporation Health Department.

ASSISTANT MEDICAL OFFICER OF HEALTH.
(For Port Health Work.)

Applications are invited from duly qualified Medical Men, under the age of forty-five years and of not less than three years' standing in their profession, for the appointment of Assistant Medical Officer of Health.

Salary £600 per annum, rising, subject to satisfactory service, by annual increments of £25 to £700.

Candidates must hold a registered degree or diploma in State Medicine or Public Health. Experience in Port Health Work and Infectious Diseases will be considered special qualifications.

Application forms may be obtained from, and should be returned to, the Medical Officer of Health, Guildhall, Hull, not later than Thursday, the 27th June, 1940.

## County Borough of Merthyr Tydfil.

TEMPORARY APPOINTMENT OF ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited from Medical Men over military age, or from widowed or single ladies under forty-five years of age, for the above appointment.

Applicants must have had at least three years' experience in the practice of the profession, and must possess a Diploma in Public Health or State Medicine.

Preference will be given to those candidates who have held a residential appointment in a maternity department and who have had post-graduate experience in Infectious Disease.

The salary will be at the rate of £500 per annum, rising by annual increments of £25 to £700.

The person appointed will be under the administrative control of the Medical Officer of Health, and must devote the whole time to the duties of the post and not engage in private practice. The person appointed will have to undergo a medical examination.

Form of application may be obtained from the Medical Officer of Health, Town Hall, Merthyr Tydfil.

Applications, with copies of three recent testimonials, should be received at the Health Department, Town Hall, Merthyr Tydfil, by the 5th July.

Department of Public Health, Town Hall,
Merthyr Tydfil, June 10th, 1940.

## Grove Road Emergency Hospital,

RICHMOND. (300 Beds.)

Applications are invited for the appointment of HOUSE OFFICER. Salary £200 per annum, plus full residential emoluments.

Applications, stating age, qualifications, and experience, should be sent to the County Medical Officer, County Hall, Kingston-on-Thames, by 24th June, 1940.

## Emergency Hospital Scheme,

CUMBERLAND.

HOUSE OFFICERS (E.M.S./GEN./317).

Applications are invited from fully qualified Medical Practitioners for the posts of House Officers in Casualty Receiving Hospitals. Salary £200 a year, with board and lodging.

Applications, giving qualifications and experience with copies of testimonials, should be addressed to the undersigned.

KENNETH FRASER, County Medical Officer.

Citadel Chambers, Carlisle, 10th June, 1940.

## The Royal South Hants & Southampton

HOSPITAL. (319 Beds.)

Applications are invited for the post of RESIDENT HOUSE SURGEON, for six months only.

Salary will be at the rate of £150 per annum, with board, residence, and laundry. Candidates must be Male and unmarried.

Applications, accompanied by not more than three testimonials, should be sent to the undersigned not later than Wednesday, 19th June, 1940.

E. L. WIRGMAN, House Governor and Secretary.

## Portwey Hospital, Weymouth.

(214 Beds.)

HOUSE SURGEON.

The Dorset County Council invite applications from registered Medical Practitioners (Male or Female) for the post of House Surgeon at the above-named Hospital.

Salary £200 per annum, with board, residence, and laundry.

Applications, stating age, nationality, together with recent testimonials, should be forwarded at once to the Medical Superintendent, Portwey Hospital, Weymouth.

C. P. BRUTTON, Clerk of the County Council.

County Offices, Dorchester, June 11th, 1940.

## Royal East Sussex Hospital,

HASTINGS.

Applications are invited from registered Medical Practitioners, Male and Female, for the appointments of one SENIOR HOUSE SURGEON ("B2") and two JUNIOR HOUSE SURGEONS ("A") to become vacant July 1st, 1940, including practitioners within six months of qualification. If held by an R. practitioner, appointments will be limited to six months. Otherwise they may be extended up to a period of one year.

Salary at the rate of £150 per annum for the Senior post, and £130 per annum for the Junior posts, with full residential emoluments.

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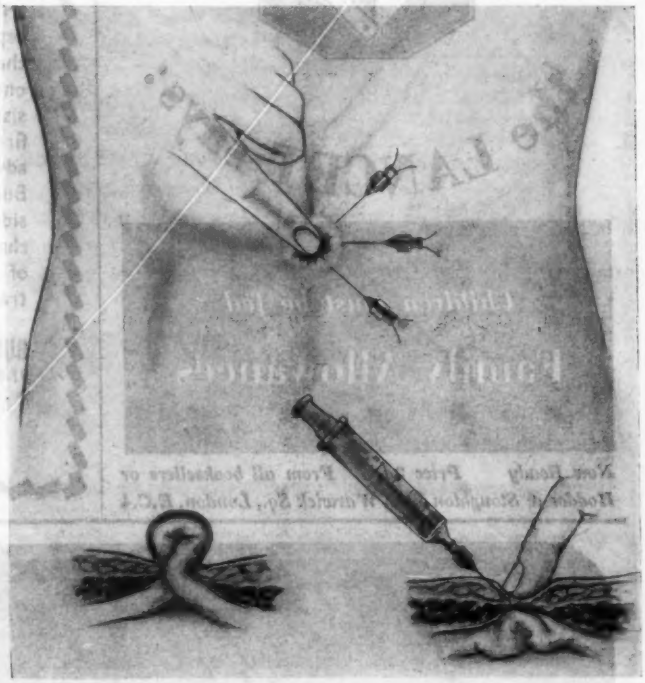

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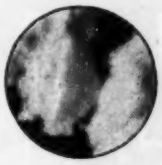

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Minadex raises the haemoglobin index. In the work of haemopoiesis, iron is assisted by the presence of 'trace metals' which mobilize the iron in the formation of haemoglobin.

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Neuro-muscular tone is restored. Derangements of calcium-phosphorus metabolism are corrected. The body functions are assisted back to normal.

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Bynogen contains the glycerophosphates of sodium, calcium, magnesium, and iron, soluble milk proteins, and soluble extract of malt and whole wheat. The soluble milk proteins contain a large proportion of casein, which, in addition to the glycerophosphates, is a source of phosphorus. Calcium, sodium, and magnesium also play important parts in metabolism, while the necessity for iron in blood-formation scarcely calls for mention.

The agreeable flavour of Bynogen is one of its points of superiority over most other products of its class.

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*For the Active Immunisation of Children Under Eight Years of Age*

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One dose of 0.2 c.c. followed by a second dose of 0.5 c.c. after an interval of not less than three weeks.

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Three 1 c.c. doses should be administered. The second dose should, if possible, be administered three weeks after the first dose and the third a week or more later.

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# IMPROVING the OSLO BREAKFAST

The Minister of Food is very wisely encouraging the use of the type of meal known as the "Oslo Breakfast," with the double object of improving nutrition and saving shipping by the increased use of home-produced protective foods.

## Remarkable Results

The experiment of substituting for children's cooked mid-day meals a cold meal composed of milk, salad, wholemeal bread, cheese and fruit started in Scandinavia and has been adapted to British conditions by the L.C.C. and other authorities. Everywhere the children have shown notable increases in height, weight, vitality and alertness, with greater freedom from minor infections.

The approximate analysis of such a meal is given in the table, from which it will be seen that while the proportion of the daily requirements supplied is considerable, the intake of vitamin $B_1$ and of iron is still low. In both cases almost $\frac{3}{4}$ of the daily requirement remains to be met.

## Trebling the Vitamin B

The easiest and least expensive way of rectifying these deficiencies is the use of Bemax, preferably added to the milk or included in the sandwich. Half-an-ounce of Bemax would double the $B_1$ value of the meal and increase the iron to 4.35 mg.; 1 oz. Bemax would more than treble the $B_1$ and double the available iron.

| | Vit. A. I.U. | Vit. $B_1$ I.U. | Vit. C. I.U. | Vit. D. I.U. | Avail. Iron. mg. | Calcium. mg. |
|---|---|---|---|---|---|---|
| 2 oz. wholemeal bread .. | 115 | 62 | — | — | 1.50 | 17 |
| ½ oz. butter .. .. .. | 492 | — | — | 7 | — | 2 |
| ½ oz. yeast .. .. .. | — | 34 | — | — | .22 | 4 |
| 1 oz. cheese .. .. .. | 625 | — | — | 2 | .16 | 230 |
| 1 oz. herring .. .. .. | 114 | — | — | 340 | .39 | 9 |
| 1 oz. each tomato and lettuce | 1778 | 13 | 200 | — | .13 | 8 |
| ⅔ pint milk .. .. .. | 812 | 50 | — | 7 | .30 | 440 |
| 3 ozs. fresh fruit .. .. | 84 | 23 | 750 | — | .30 | 19 |
| Total .. .. | 4020 | 182 | 950 | 356 | 3.00 | 729 |
| Daily Requirements .. | 6000 | 600 | 1500 | 400 | 10–12 | 800–1000 |

*In cases where the "health meal" is found to be difficult to digest, its main nutritional advantages can still be obtained by the use of orange-juice, milk, Bemax and, if possible, herring.*

Particulars of the "Oslo Breakfast" and various attractive ways of serving the component foods, together with clinical sample of Bemax, will be gladly sent on request.

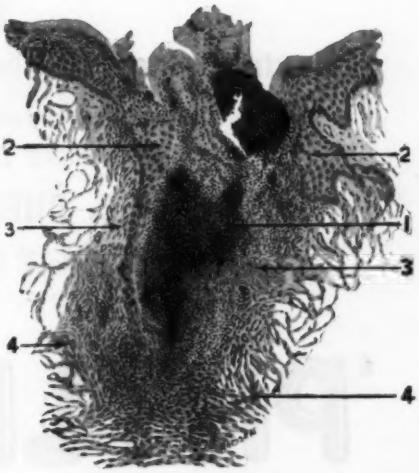
**Bemax** *the richest natural source of vitamin B*

Vitamin $B_1$ .. 10–15 I.U. per gm. (400 I.U. per oz.)
Vitamin E (α-tocopherol) richest natural source (Approx. 8 mg. per oz.)
Vitamin A (carotene) 280 I.U. per oz.

Vitamin $B_2$ complex—
$B_2$ (riboflavin) .. 0.9 mg. per oz.
P.P. (nicotinic acid) 1.1 mg. per oz.
$B_6$ (adermin) .. rich source

Phosphorus— 330 mg. per oz.
Magnesium— 99 mg. per oz.
Iron— 3 mg. per oz.
Copper— 0.45 mg. per oz.

**Vitamins Ltd. (The Bemax Laboratories) (Dept. L.16 ), 23, Upper Mall, London, W.6.**




*Section through healing wound.*

1. *Dead cells and detritus.*
2. *Regenerating epithelium.*
3. *Regenerating connective tissue.*
4. *Budding new capillaries.*

# Accidental Wounds

**The combination of glycerine with iodine or boric acid is considered by many physicians as ideal for the dressing of wounds.**

**There are probably few products in which this combination of ingredients is so well compounded and proportioned and which so well fulfils the desiderata for a satisfactory surgical dressing as does**

**Antiphlogistine**
**BRAND TRADE MARK DRESSING**

**It is bacteriostatic, decongestive and pain-relieving.**

*Sample on request*

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MADE IN ENGLAND

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**The Denver Chemical Mfg. Co., 12, Carlisle Road, London, N.W.9**

# The Pharmacological Chlorophyll Preparation

compounded according to the formula
and under the direction of

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# 'PHYLLOSAN'

BRAND OF CHLOROPHYLL TABLETS

## For the treatment of Hardening Arteries, Abnormal Blood Pressure Cardiac Weakness, Physical Decline Debility, Neurasthenia, Anaemia

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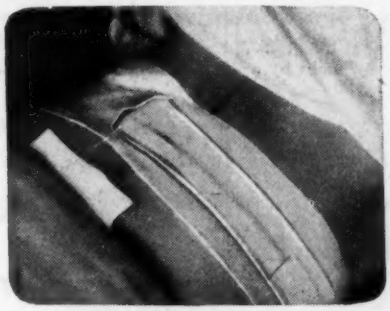

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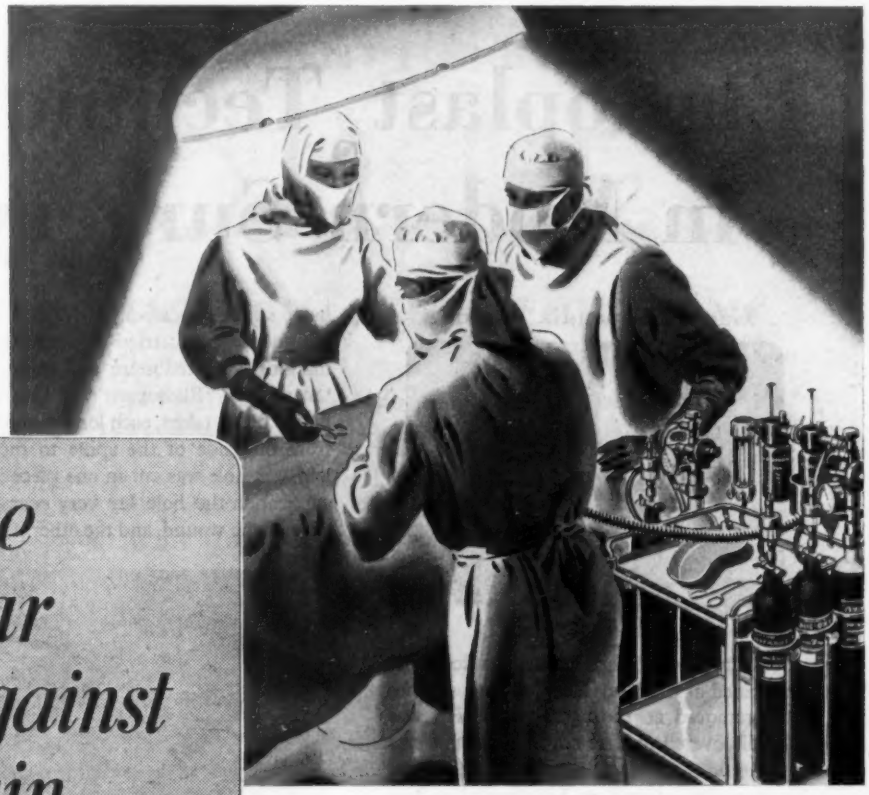

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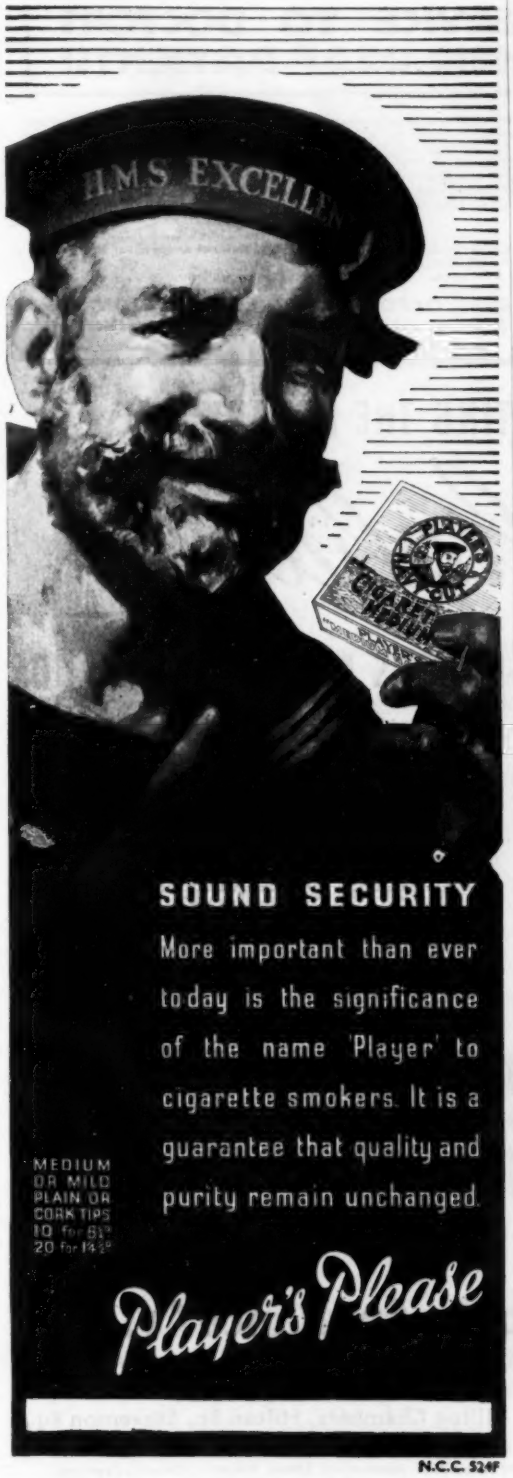


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Terms £4 4 0 per week

ALL NURSES ARE FULLY INSURED AGAINST ACCIDENT

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*Telegrams:* ASSUAGED, LONDON. ASSUAGED, MANCHESTER. ASSUAGED, EDINBURGH.

Please address all communications W. WALSHE, Secretary.

# MUNDESLEY SANATORIUM

NORFOLK

*Resident Physicians:*

S. VERE PEARSON, M.D. (Cantab.), M.R.C.P. (Lond.).
E. C. WYNNE-EDWARDS, M.B. (Cantab.), F.R.C.S. (Edin.).
GEORGE H. DAY, M.D. (Cantab.).

**TERMS FROM 7½ GUINEAS WEEKLY**

*For all information apply:* THE SECRETARY.

Telephone: Mundesley 94 and 95 (2 lines)

# VALE OF CLWYD SANATORIUM

This Sanatorium is established for the treatment of Tuberculosis of the Lungs and the Pleural Cavities. It is situated in the midst of a large area of park-land at a height of 450 feet above sea-level, on the South West slopes of mountains rising to over 1800 feet, which protect it from north and east winds and provide many miles of graduated walks with magnificent views. Average rainfall 29·57 per annum. Full day and night Nursing Staffs. X-Ray plant. Every facility for Artificial Pneumothorax and for operations on the chest. Electric Lighting. Central Heating. Home Farm. Grade A Milk from T.T. Herd.

For particulars apply to Medical Superintendent.

H. MORRESTON DAVIES, M.D., M.Ch. (Cantab.), F.R.C.S., Llanbedr Hall, Ruthin, N. Wales.

# THE OLD MANOR SALISBURY

*A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.*

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

**CONVALESCENT HOME AT BOURNEMOUTH** Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 3216 and 3217

# ROYAL EARLSWOOD INSTITUTION

REDHILL, SURREY. FOR MENTAL DEFECTIVES OF ALL AGES.

Training under medical supervision. Schools, Farm, Trade Workshops, Recreations. Fees £110 to £375 per annum. Election by votes of subscribers at reduced terms for necessitous trainable cases.

*Apply:* Secretary. Tel.: Redhill 344.

# CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

# CRICHTON ROYAL, DUMFRIES

**For NERVOUS AND MENTAL DISORDERS**

Separate Villa for patients suffering from the effects of alcoholism and drug addiction. Every facility for complete investigation and individual treatment on the most modern lines. Fully equipped gymnasium, golf course, and indoor swimming pool. Specially trained occupational and recreational therapists. **Special Department for Insulin Therapy.** As the hospital is well endowed terms are exceptionally moderate, e.g., First Department from 3 guineas per week, Second Department, 2 and 2½ guineas per week. Voluntary and certified patients are received. Medical Certificates given anywhere in the British Isles are valid for admission of patients. *For prospectus, necessary forms, and further information apply to:—*

Physician Superintendent, P. K. McCowan, J.P., M.D., F.R.C.P., D.P.M., Barrister-at-Law. Tel. Dumfries 1119.

# HAYDOCK LODGE,

## NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders, Alcoholism and Drug addiction, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

# ST. ANDREW'S HOSPITAL

## FOR NERVOUS AND MENTAL DISORDERS, NORTHAMPTON

*FOR THE UPPER AND MIDDLE CLASSES ONLY.*

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, K.G., C.M.G., A.D.C.

MEDICAL SUPERINTENDENT: THOMAS TENNENT, M.D., M.R.C.P., D.P.H., D.P.M.

This Registered Hospital is situated in 130 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble; temporary patients, and certified patients of both sexes are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

### WANTAGE HOUSE

This is a Reception Hospital in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the complete investigation and treatment of Mental and Nervous Disorders by the most modern methods; insulin treatment is available for suitable cases. It contains special departments for hydrotherapy by various methods, including Turkish and Russian baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical baths, Plombieres treatment, etc. There is an Operating Theatre, a Dental Surgery, an X-Ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High-frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research. Psychotherapeutic treatment is employed when indicated.

### MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupational therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

### BRYN-Y-NEUADD HALL

The seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North-West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout-fishing in the park.

At all the branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard courts), croquet grounds, golf courses, and bowling greens. Ladies and gentlemen have their own gardens, and facilities are provided for handicrafts, such as carpentry, etc.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

# PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." Telephones: Rodney 2641 and 2642.

The above House is for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified voluntary and temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. Occupational therapy, physical drill, and other forms of modern treatment. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor drives are arranged when required. Tennis courts. Entertainments, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

# CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

***For the treatment of MENTAL DISORDERS.***

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds. Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel. **Shock and also modified insulin Therapy.**

Senior Physician: DR. HUBERT JAMES NORMAN, assisted by a resident Medical Staff, and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

**The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.**

# THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the Treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air, SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-ray controlled). TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms: 5 to 7½ Guineas a week inclusive.**

*Med. Supt.:* GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* G. N. BARKER, F.R.C.S. Edin., D.L.O. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S.R.C.S. Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman Birdlip."

# PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

## FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made.

# RUTHIN CASTLE, NORTH WALES

A Clinic for the diagnosis and treatment of Internal Diseases (except Mental or Infectious Diseases).

The Clinic is provided with a staff of doctors, technicians and nurses.

The surroundings are beautiful. The climate is mild. There is central heating throughout. The annual rainfall is 30·5 inches, that is, less than the average for England.

The inclusive weekly fees are from 15 guineas a week, according to the room occupied; rooms with bathroom are from 21 guineas. An examination and consultation fee of 15 guineas is charged on the first visit only.

SPECIAL FEE FOR INVESTIGATION ONLY—30 GUINEAS, including stay up to 10 days and report to doctor. For particulars, apply to

THE SECRETARY, Ruthin Castle, North Wales.

*Telegrams:* Castle, Ruthin. *Telephone:* Ruthin 66.

# THE LAW NURSING HOME

## ROCHDALE (Lancs)

Founder: The late SIR A. J. LAW, J.P., M.P.

*A Private Hospital, exclusively for the treatment of POST-ENCEPHALITIC PARKINSONISM, PARKINSON'S DISEASE and ALLIED DISORDERS*

The Nursing Home is governed by Trustees; any surplus is utilized to help patients who cannot afford full fees. Extensive grounds. Hydro. Expert Massage and Physical re-education. Dietary treatment. Equipped with every laboratory apparatus for the investigation and treatment of the diseases. Results of the BULGARIAN TREATMENT published (*Lancet*, 1939, 1, 693) approx.: 300 patients treated in the last 3 years. Terms moderate. Further particulars apply Medical Superintendent. Tel.: Rochdale 2960.

# COURT HALL, KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS

# CLIFFDEN, TEIGNMOUTH

FOR EARLY AND CONVALESCENT CASES

Recreational Therapies are held daily by skilled Leaders

The house stands high with spacious balconies and extensive views of the South Devon Coast. Beautiful garden. Own Dairy in 25 acres. Private road to beach.

There is also a charming house, EBWORTHY, MANATON, DARTMOOR, situated in 20 acres, 1100 ft. up for bracing moorland air.

*Resident Physicians*—BERTHA M. MULES, M.D., B.S. ANNE S. MULES, M.R.C.S., L.R.C.P.

Telephones—STARCROSS 259 and TEIGNMOUTH 289

# HOLLOWAY SANATORIUM VIRGINIA WATER

**A Registered Hospital for the Treatment of MENTAL DISORDERS of the EDUCATED CLASSES. Founded by THOMAS HOLLOWAY in 1885.**

This Institution is situated in a beautiful and healthy locality within easy reach of London. It is fitted with every comfort. Patients can have Private Bedrooms and Special Nurses as well as the use of General Sitting Rooms, at moderate rates of payment. Voluntary Patients can be admitted.

There is a Branch Establishment at CANFORD CLIFFS, BOURNEMOUTH, where Patients can be sent for a change and be provided with all the comforts of a well-appointed home.

*For Terms, apply to—*

**The RESIDENT MEDICAL SUPERINTENDENT, St. Ann's Heath, Virginia Water, SURREY**

# SPRINGFIELD HOUSE

'Phone: BEDFORD 3417. **Near BEDFORD**

**For Mental Cases with or without Certificates.**

*Ordinary Terms: Five Guineas per week (including Separate Bedrooms for all suitable cases without extra charge).*

For forms of admission, &c., apply to the Resident Physician, CEDRIC W. BOWER.

INTERVIEWS IN LONDON BY APPOINTMENT.

# Littleton Hall, Brentwood, Essex.

(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received. Apply to Dr. HAYNES. Tel.: Brentwood 45.

# NORTHUMBERLAND HOUSE

GREEN LANES,

FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Occupational Therapy, Psychotherapy, and other modern forms of treatment. A.R.P. Shelters.

*Telephone:* Stamford Hill 2688.

For further particulars apply to the MEDICAL SUPERINTENDENT

# MALLING PLACE, KENT

For LADIES and GENTLEMEN of Unsound Mind.

Terms moderate. Apply to Resident Medical Superintendent. Telegrams: ADAM WEST MALLING. Telephone No. 2: MALLING.

# STRETTON HOUSE,

**Church Stretton, Shropshire.**

ESTABLISHED IN 1853.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Patients under the provisions of the Mental Treatment Act, 1930. Bracing hill country. See "Medical Directory," p. 2358.—Apply to the Medical Superintendent. 'Phone 10 P.O., Church Stretton.

## CITY OF LONDON MENTAL HOSPITAL

**Near DARTFORD, KENT.**

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of £2 9s., and upwards.

## FENSTANTON, at "FIVE DIAMONDS," Chalfont St. Giles, Bucks.

A Private Home for the Care and Treatment of a limited number of LADIES with Mental and Nervous Disorders. Certified, Voluntary, and Temporary Patients received. Mansion with 12 acres of ground. (*See Medical Directory*, p. 2346.) Apply Resident Physician. Telephone: Little Chalfont 2046. Station: Chalfont and Latimer.

## PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

## Grove House, All Stretton, Church

STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

Apply to Dr. MCCLINTOCK, Proprietor and Resident Medical Superintendent.

# Re-opens on June 24

***with air raid shelter and ventilated black-out***

*The Clinic*

**THE NURSING HOME FOR SURGICAL, MEDICAL AND MATERNITY CASES**

In response to continued demands by the medical profession for the amenities offered in The Clinic, which was closed at the outbreak of War, the Trustees have decided to re-open on June 24.

The Clinic has been specially designed, built and equipped in consultation with leading specialists and practitioners as a Nursing Home. Patients—admitted only under the care of their own physician or surgeon—are offered the finest attention that modern methods and the most up-to-date equipment can give.

*Fees 10 Gns. to 18 Gns. per week (Average 14 Gns.). Specially equipped Operating Theatres available. Only State Registered Nurses employed. Rooms may be reserved now by application to the Matron: Miss J. Jacomb, S.R.N., S.C.M.*

## The CLINIC

**20, DEVONSHIRE PLACE, LONDON, W.1**

**Telephone: WELbeck 4444**

# BOURNEMOUTH HYDRO

**Ultra-Violet, Infra-Red, and Ultra-short-wave Diathermy Treatments Pistany, Pyretic, Nauheim, and Medicated Baths. Remedial Exercises; Massage; and Inhalation Therapy. Plombières and Vichy Douches.**

**Resident Physician. Certificated Staff. Telephone: 341**

## THE MAGHULL HOMES FOR EPILEPTICS (INC.)

**MAGHULL (Near Liverpool)**

FARMING and OPEN AIR OCCUPATION for PATIENTS

**A few vacancies in 1st and 2nd Class Houses.**

FEES:

1st Class (men only) from £5 5s. p.w. upwards.

2nd Class (men and women) 32/- p.w.

*For further particulars apply*

**Secretary,**

**C. EDGAR GRISEWOOD, A.C.A., 29 Exchange St. East, Liverpool**

## The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter), Fulham-road, London, S.W.3.

A Course of Study in Medical Radiology qualifying for the DIPLOMA IN MEDICAL RADIOLOGY of the University of London and the Royal Colleges of Physicians and Surgeons will commence on TUESDAY, 1ST OCTOBER, 1940, at the Royal Cancer Hospital, Fulham-road, London, S.W.3.

The Course includes Theoretical and Practical Instruction in Clinical Radiology (Radiation Therapy and X-ray Diagnosis) and also Physics applied to Medical Radiology.

Full particulars may be obtained on application at the above address to the Secretary.

CLEMENT COBBOLD, Secretary.

## Battersea General Hospital

(85 Beds),
BATTERSEA PARK, LONDON, S.W.11.

Applications are invited for the Honorary appointment of CLINICAL ASSISTANT to the EAR, NOSE and THROAT DEPARTMENT of the Hospital. At present the weekly clinic is held on Wednesdays at 2.30 p.m. Applications, with copies of two recent testimonials, should be sent to the Secretary at the Hospital not later than the 25th June.

## The Woolwich and District Hospital

ASSOCIATION (INCORPORATED)
MEMORIAL HOSPITAL, Shooters Hill, London, S.E.18.
(General Hospital—112 Beds.)

The Board of Management invites applications from suitably qualified Male candidates for the post of JUNIOR RESIDENT MEDICAL OFFICER ("A" appointment) for six months, with effect from July 1st, 1940. Remuneration will be at the rate of £133 6s. 8d. per annum, plus board, residence, and laundry.

Application should be made on the prescribed form, obtainable from the undersigned. The closing date for the receipt of applications is Monday, June 24th.

R. S. G. HUTCHINGS, Secretary.

## Royal Waterloo Hospital for

CHILDREN AND WOMEN,
WATERLOO ROAD, LONDON, S.E.1.

SENIOR RESIDENT MEDICAL OFFICER.

There will be a vacancy shortly for a Senior Resident Medical Officer. Applications are invited from well qualified practitioners who are unlikely to be required for military service. Those having had previous hospital experience would be preferred.

Suggested commencing salary £350 per annum.

Application, enclosing testimonials, should be sent to the undersigned, from whom further particulars can be obtained, not later than 28th June.

J. H. TEASDALE, Secretary.

## Battersea General Hospital,

(85 Beds) Battersea Park, S.W.11.

Applications are invited for the appointment of HOUSE PHYSICIAN (Male or Female) for a period of six months. Salary at the rate of £120 per annum, with board, residence, and laundry.

Applications, stating age, nationality, qualifications, and experience, together with copies of three testimonials, should be sent to the Secretary of the Hospital at the earliest possible moment.

# UNIVERSITY EXAMINATION POSTAL INSTITUTION

Founded in 1882 by E. S. WEYMOUTH, M.A.

Postal or Oral Preparation for all Medical Examinations.

## SOME SUCCESSES

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M.D. (various), by Thesis. Many Successes.

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**MEDICAL PROSPECTUS (38 pages),**

sent gratis, along with List of Tutors, &c., on application to the Principal, 17, Red Lion-square, London, W.C.1. (Telephone: Holborn 6313.)


## Applications are invited from fully

qualified Medical Women for the following posts :—

ELIZABETH GARRETT ANDERSON HOSPITAL, Euston-road, N.W.1.—One SENIOR MEDICAL OFFICER, two JUNIOR MEDICAL OFFICERS, for a period of six months.

OSTER HOUSE HOSPITAL, ST. ALBANS.—One SENIOR MEDICAL OFFICER and one JUNIOR RESIDENT, for a period of six months ; two JUNIOR RESIDENTS, for a period of three months.

Salaries will be pooled under the Emergency Medical Services Scheme and allocated according to experience, with a minimum of £100 per annum.

Applications, with copies of three testimonials, should be sent to the Secretary of the Elizabeth Garrett Anderson Hospital by the 28th June.

## Middlesex County Council.

RESIDENT ASSISTANT MEDICAL OFFICER (Anæsthetist) required for NORTH MIDDLESEX COUNTY HOSPITAL, Silver-street, Edmonton, N.18. Must be registered Medical Practitioner and held resident appointments in general hospitals. Special experience in administration of anæsthetics. Preference given to applicant with Diploma of Anæsthetics.

Salary £400–£25–£475 per annum. Board, lodging, and laundry.

Whole-time duties under Medical Superintendent mainly administering anæsthetics and such other duties as required. Subject to medical examination and one month's notice. For four years only.

Application to the undersigned. No application forms provided. Relationship to any member or officer of Council to be disclosed. Copies of not more than three recent testimonials. Canvassing directly or indirectly will disqualify. Closing date 6th July.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Guildhall, Westminster, S.W.1.

## Middlesex County Council.

NON-RESIDENT ASSISTANT RADIOLOGIST (D.M.R.E.) required for WEST MIDDLESEX COUNTY HOSPITAL, Twickenham-road, ISLEWORTH, MIDDLESEX. Registered Medical Practitioner, experienced in diagnostic and therapeutic X-ray work. Salary £650–£25–£800 per annum inclusive, any fees received paid to County Council.

Unestablished appointment, subject to medical examination and three months' notice. Whole-time duties under Medical Superintendent and Radiologist.

Applications to undersigned. No forms provided. Relationship to any member or officer of the Council to be disclosed. Copies of not more than three recent testimonials. Canvassing direct or indirect disqualifies. Closing date 29th June.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Guildhall, Westminster, S.W.1.

## Royal Northern Hospital,

Holloway, N.7.

APPOINTMENT OF RESIDENT MEDICAL OFFICER (B1).

Applications are invited from Registered Medical Practitioners for the appointment of resident medical officer (male) to become vacant shortly. Applicants should have held house appointments. Suitably qualified R practitioners holding B2 or B1 appointments are invited to apply. Salary is at the rate of £390 to £400.

Applications, stating age, nationality, qualifications with dates, experience and details of previous appointments, and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than July 5th.

GILBERT G. PANTER, Secretary.

## South Eastern Hospital for Children,

Sydenham, S.E.26.

Applications are invited for the appointments of two female RESIDENT MEDICAL OFFICERS (A) to take up duty immediately. The appointments are for six months, and the salary or salaries at the rate of £150 per annum, with board and quarters. Applications, stating age, qualifications with dates, nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned forthwith.

H. W. WOOLVEN, F.C.I.S., Secretary.

## Hampstead General Hospital,

Haverstock-hill, N.W.3.

OUT-PATIENT DEPARTMENT, Camden Town, N.W.1.

Applications are invited from registered single Medical Women for the resident appointment of CASUALTY MEDICAL OFFICER for six months, vacant 1st August next, at the Out-patient Department, Camden Town. Salary £100 per annum, plus an allowance of £50 per annum for duties in connexion with the First-aid Post established there.

Applications on the prescribed form, with copies of three testimonials, to be returned 22nd July.

KENNETH A. F. MILES, Secretary.

## Queen Mary's Hospital for the East

END, Stratford, E.15.

Applications are invited for the post of TEMPORARY DIRECTOR of the RADIOLOGICAL DEPARTMENT at this Hospital.

Remuneration will be at the rate of £3 3s. per session—four sessions per week.

Applications in writing to be addressed to the undersigned.

BERNARD T. HEMPEL, Captain, Chairman.

## West London Hospital, Hammersmith,

W.6.

APPOINTMENT OF A HOUSE SURGEON (A)

Applications are invited immediately from registered medical practitioners, including R practitioners within six months of qualification, for appointment as a House Surgeon (A) with duties in E. T. and N. and Ophthalmic Departments and as Resident Anæsthetist.

The appointment is for a period of six months and may be terminated by a month's notice on either side.

Salary £50–£100 according to experience, with the usual residential emoluments.

Applications stating age, qualifications with dates and nationality, and accompanied by copies of three recent testimonials should be sent to the undersigned forthwith.

H. A. MADGE, Secretary.

## Addenbrooke's Hospital, Cambridge.

APPOINTMENT OF CASUALTY OFFICER AND SUPERNUMERARY HOUSE OFFICER (A)

Applications are invited from registered medical practitioners, male and female, for the appointment of Casualty Officer and Supernumerary House Officer (A) to become vacant on July 1st, including R practitioners within six months of qualification.

The appointment will be for a period of six months. Salary is at the rate of £130 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than Wednesday, June 26th, 1940.

J. A. BEARDSALL, Secretary-Superintendent.

## Essex County Council,

OLDCHURCH COUNTY HOSPITAL, ROMFORD.

JUNIOR RESIDENT MEDICAL OFFICER.

The County Council of the Administrative County of Essex invite applications for the appointment of a Junior Resident Medical Officer at the Oldchurch County Hospital, Romford.

The appointment will be for a period of one year, and the salary payable will be at the rate of £250 per annum, together with the usual indoor emoluments valued at £160 per annum. The successful candidate will be required to pass a medical examination and will be subject to the Council's Sick Pay Rules and Regulations, a copy of which will be forwarded on application.

Applications on the prescribed form, obtainable from the undersigned, should be addressed to me and delivered at the County Hall, Chelmsford, not later than 10 A.M. on Wednesday, July 3rd, 1940.

E. S. HOLCROFT, Clerk of the County Council.
County Hall, Chelmsford, June 18th, 1940.

## Cameron Hospital, West Hartlepool.

(86 Beds.)

APPOINTMENT OF A HOUSE SURGEON (A).

Applications are invited from registered medical practitioners, male or female, for the immediate appointment of a House Surgeon (A), including R practitioners within six months of qualification. If held by an R practitioner, appointment will be limited to six months. Otherwise it will be for a period of six or twelve months. Salary is at the rate of £150 per annum, with full residential emoluments. Applications, stating age, qualifications with dates and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned.

C. S. KAY, Secretary.

## East Riding County Council.

DRIFFIELD BASE HOSPITAL.

Applications are invited from registered Medical Practitioners for the appointment of a RESIDENT MEDICAL OFFICER (B1).

Salary at the rate of £550 per annum, with full residential emoluments.

Applications, stating age, nationality, qualifications, with dates and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than the 1st July, 1940.

Canvassing, either directly or indirectly, will be a disqualification and applicants should indicate whether related to any member or officer of the County Council.

T. STEPHENSON, Clerk of the Council.

County Hall, Beverley.

## Beckett Hospital, Barnsley.

APPOINTMENT OF RESIDENT SURGICAL OFFICER (B1).

Applications are invited from registered Medical Practitioners for the appointment of Resident Surgical Officer to become vacant on 18th July. Applicants should have held house appointments and had surgical experience. Preference will be given to candidates holding Diploma of F.R.C.S. Salary is at the rate of £350 per annum.

Applications, stating age, nationality, qualifications, with dates, experience, and details of previous appointments, and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than 28th June.

ARTHUR L. BOURNE, Secretary-Superintendent.

18th June, 1940.

## Surrey County Council.

PUBLIC HEALTH DEPARTMENT.

SURREY COUNTY SANATORIUM, MILFORD, Nr. GODALMING. (348 Beds.)

JUNIOR ASSISTANT RESIDENT MEDICAL OFFICER (B2) (Male or Female).

Applications are invited for the above appointment which will be available for a period of six months, renewable for a further six months. ("R" practitioners who hold "A" appointments may apply, but if appointed the term of appointment is limited to six months.) The salary will be at the rate of £250 per annum together with full residential emoluments valued at £100 per annum. Applicants should have held a house appointment in a general hospital.

Applications, stating nationality, age, qualifications, and experience, and enclosing copies of not more than three recent testimonials, should be sent to the Medical Superintendent, Surrey County Sanatorium, Milford, Nr. Godalming, Surrey, so as to reach him not later than the 27th June, 1940.

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-upon-Thames, 21st June, 1940.

## The Prince of Wales's Hospital,

Greenbank-road, PLYMOUTH.
(Formerly the South Devon and East Cornwall Hospital.)
(254 Beds.)

Applications are invited from registered Medical Practitioners (Male and Female) for the appointment of a HOUSE SURGEON (A) to become vacant on 8th August, including R Practitioners within six months of qualification. If held by an R Practitioner, appointment will be limited to six months. Otherwise it will be subject to renewal. Salary is at the rate of £130 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than 5th July.

ARTHUR R. CASH, General Superintendent.

## Rhondda Urban District Council.

ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners not exceeding forty-five years of age for appointment as Assistant Medical Officer, under the direction and supervision of the Council's Medical Officer of Health and School Medical Officer, at a salary of £500, rising by annual increments of £25 to £700 a year, the first annual increment being payable on the 1st April following the completion of six calendar months' service under the Council; travelling expenses necessarily incurred in the performance of the duties will also be allowed. Candidates should have had not less than two years' professional experience subsequent to registration and the possession of a Diploma in Public Health is considered desirable.

The appointment will be subject to the passing of a medical examination and will be terminable by two calendar months' notice on either side.

The officer appointed will be required to reside within the Rhondda Urban District and will not be allowed to engage in private practice.

Applications are to be made on forms obtainable from the Medical Officer of Health, Tydfil House, Pentre, Rhondda, by whom they must be received, endorsed "Assistant Medical Officer," and accompanied by copies of three recent testimonials, not later than Friday, 5th July, 1940.

D. J. JONES, Clerk of the Council.

The Council Offices, Pentre, Rhondda, 17th June, 1940.



## Ancoats Hospital, Manchester, 4.

APPOINTMENT OF A RESIDENT MEDICAL OFFICER (B1).

Applications are invited for this post, lady or gentleman, who should have held previous house appointments and had medical experience. Suitably qualified R Practitioners holding B2 or B1 appointments are invited to apply. Salary at the rate of £150 per annum. Appointment for six months.

HOUSE SURGEONS (TWO)—"A" APPOINTMENT.

Applications are invited for these posts (lady or gentleman). Appointment for six months. Salary at the rate of £100 per annum.

Applications, stating age, nationality, and when qualified, for the above posts should be forwarded on or before 26th June, together with three recent testimonials.

HERBERT J. DAFFORNE, General Superintendent and Secretary.

## County Borough of Halifax.

HALIFAX GENERAL HOSPITAL. (405 Beds.)

DEPUTY MEDICAL SUPERINTENDENT.

Applications are invited from duly qualified registered Medical Practitioners for the post of Deputy Medical Superintendent at the Halifax General Hospital.

The staff consists of six medical officers and the admissions to the Hospital are approximately 4500 per annum.

The salary offered is £600 per annum inclusive, and the post is non-resident.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937.

Preference will be given to a candidate with a knowledge of major surgery and with experience in obstetrics.

Applications must be made on the prescribed form and forms may be obtained from the undersigned.

Completed application forms, accompanied by copies of three recent testimonials, endorsed "Deputy Medical Superintendent," must be delivered at the Town Clerk's Office, Town Hall, Halifax, on or before the 1st July, 1940.

Canvassing, either directly or indirectly, will be a disqualification.

PERCY SAUNDERS, Town Clerk.

Town Hall, Halifax, 11th June, 1940.

## York County Hospital.

(222 Beds.)

Applications are invited for the following resident posts:—

(a) HOUSE SURGEON.
(b) HOUSE SURGEON to the EYE, EAR, NOSE, AND THROAT DEPARTMENT.

The salary attaching to each post is £150 per annum, with board, residence, and laundry.

Applications, stating age and previous experience, together with copies of not more than three recent testimonials, to be sent to the undersigned immediately.

J. R. MACKRILL, Secretary.

## Wrexham and East Denbighshire War

MEMORIAL HOSPITAL.
(170 Beds.)

RESIDENT HOUSE SURGEON (Male or Female). Appointment is for six months commencing July 15th, 1940. Salary £150 per annum, with board and lodging.

Applications, stating age, nationality, experience, and qualifications, to be sent, together with copies of three recent testimonials, to the undersigned immediately.

LESLIE SPENCER, Secretary.

June 18th, 1940.

## City of Birmingham,

MATERNITY AND CHILD WELFARE DEPARTMENT.

CANWELL HALL BABIES' HOSPITAL.
(84 Beds.)

A Woman RESIDENT MEDICAL OFFICER is required for a period of six months, duties to commence on August 1st.

Salary £250 per annum, with board and laundry.

Applications, endorsed "Resident Medical Officer," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the Medical Officer of Health, Council House, Birmingham, 3, and returned to him on or before July 1st, 1940.

## Mansfield and District General

HOSPITAL, NOTTS.
(150 Normal Beds; 106 War Emergency Beds.)

RESIDENT SURGICAL OFFICER ("B" appointment) required to commence duty as soon as possible. Salary at the rate of £300 per annum, with board, residence, and laundry. The appointment is for twelve months, and good practical surgical experience is to be obtained. Candidates should possess a higher surgical qualification and should have had previous experience in a General Hospital. Three other residents engaged.

Applications, stating age, qualifications, experience, together with copies of two recent testimonials, should be sent to the undersigned forthwith.

A. ASHWORTH, Secretary.

## The Otago Hospital Board.

UNIVERSITY OF OTAGO AND DUNEDIN HOSPITAL, NEW ZEALAND.

Applications are invited for the position of RESIDENT MEDICAL OFFICER (Senior).

Candidates must hold a degree in Medicine of a British University, must have been qualified for three years and have held resident hospital appointments for at least one year. Preference given to unmarried applicants.

The successful applicant will be required to act as Medical Tutor under the direction of the Professor of Medicine and as Resident Physician and Medical Registrar.

Salary to be at the rate of £500 per annum, with board and residence.

Full details may be obtained on application to the High Commissioner for New Zealand, 415, Strand, W.C.2.

JOHN JACOBS, Secretary.

Otago Hospital Board, Dunedin, New Zealand,
23rd May, 1940.

## The Otago Hospital Board.

UNIVERSITY OF OTAGO AND DUNEDIN HOSPITAL, NEW ZEALAND.

Applications are invited for Two SENIOR ASSISTANTS ON THE MEDICAL UNIT.

Candidates must hold a degree in Medicine of a British University, must have qualified for three years and have held hospital appointments.

The duties of the successful applicants will consist of routine hospital work and teaching under the direction of the Professor of Medicine (Dr. F. H. Smirk).

Salary to be at the rate of £600 per annum, non-resident.

There will be both facilities and time for research, and in some cases the above-mentioned salary will be supplemented later by a research grant.

Full details may be obtained on application to the High Commissioner for New Zealand, 415, Strand, W.C.2.

JOHN JACOBS, Secretary.

Otago Hospital Board, Dunedin, New Zealand,
23rd May, 1940.

## Royal East Sussex Hospital,

HASTINGS.

Applications are invited from registered Medical Practitioners, Male and Female, for the appointments of one SENIOR HOUSE SURGEON ("B2") and two JUNIOR HOUSE SURGEONS ("A") to become vacant July 1st, 1940, including practitioners within six months of qualification. If held by an R. practitioner, appointments will be limited to six months. Otherwise they may be extended up to a period of one year.

Salary at the rate of £150 per annum for the Senior post, and £130 per annum for the Junior posts, with full residential emoluments.

Applications, stating age, qualifications, with dates and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than June 27th next. WILFRID G. KEMSLEY, House Governor.

## Counties of Midlothian, West Lothian

AND PEEBLES.

MEDICAL OFFICER OF HEALTH.

Applications are invited for the appointment of MEDICAL OFFICER of HEALTH for the COUNTIES of MIDLOTHIAN, WEST LOTHIAN and PEEBLES.

Salary £1200, rising by annual increments of £50 to £1500. Travelling allowance £230 per annum.

The appointment is subject to superannuation.

Conditions of appointment may be obtained from the undersigned with whom twelve copies of application and of not more than three recent testimonials must be lodged not later than 26th June, 1940. G. J. MCGREGOR.

County Rooms, George IV Bridge, Edinburgh, 1.
5th June, 1940.

## Coventry and Warwickshire Hospital.

Applications are invited for the following appointments:—

HOUSE SURGEON to the FRACTURE AND ORTHOPÆDIC DEPARTMENT.

HOUSE SURGEON to the EAR, NOSE, AND THROAT DEPARTMENT.

Each post, which is for six months terminating on October 31st next, carries with it a salary at the rate of £150 per annum, together with board, quarters, and laundry.

Applications, with full particulars, to be addressed to the undersigned immediately.

S. CECIL HILL, House Governor and Secretary.

## Royal Halifax Infirmary.

APPOINTMENT OF A HOUSE SURGEON (A).

Applications are invited from registered Medical Practitioners (Male or Female) for the appointment of a House Surgeon (A) now vacant, including R Practitioners within six months of qualification. If held by an R Practitioner, appointment will be limited to six months. Salary is at the rate of £175 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned.

A. MIDGLEY, Secretary.

## Calderstones Emergency Hospital,

WHALLEY, near BLACKBURN.

APPOINTMENT OF RESIDENT HOUSEMEN.

Applications are invited for the positions of Resident Housemen (Physicians and Surgeons), Male or Female, at the Casualty Units (under the Emergency Hospital Scheme of the Ministry of Health).

The salary to be paid will, in accordance with qualifications and experience, be £200 per annum, in addition to the usual residential emoluments.

The appointments will be for a period of six months in the first instance.

Candidates must be of British nationality.

Applications, stating age, qualifications, and experience, together with copies of two recent testimonials, to be forwarded to the Medical Superintendent, Calderstones Emergency Hospital, Whalley, near Blackburn, as soon as possible.

## The Children's Hospital, Sheffield.

(INC.). (157 Beds.)

HOUSE SURGEON required immediately.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry.

Candidates (unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

## Royal Buckinghamshire Hospital,

AYLESBURY.

(115 Beds.) (A1 Unit under E.M.S.)

Applications are invited from registered Medical Practitioners (Male and Female) for the following posts, each for a period of six months beginning 1st July, 1940:—

(1) HOUSE SURGEON—£120 per annum ("A" post).
(2) HOUSE PHYSICIAN—£120 per annum ("A" post).

Full board, residence, and laundry provided.

Opportunity will be afforded to work with London Consultants, and to undertake duties, according to the post held, in all branches of medical and surgical practice, including anæsthesia.

Applications, stating age and nationality, supported by two recent testimonials, should be sent to the undersigned forthwith.

17th June, 1940. F. G. DAWKS, Secretary.

## Lincoln County Hospital.

Wanted, JUNIOR HOUSE SURGEON (Male, unmarried). Salary at the rate of £150 per annum. Board, residence, and washing will also be provided.

Every candidate for the appointment must be registered under the Medical Acts.

Applications, stating age and other particulars, with copies of not more than three testimonials, are to be sent to the undersigned, from whom further particulars may be obtained.

ARTHUR MOORE, Secretary-Superintendent.

Lincoln, 1st June, 1940.

## Hull Royal Infirmary.

Applications are invited from registered Medical Practitioners (Male) for the post of CASUALTY OFFICER (A) now vacant, including R Practitioners within six months of qualification. If held by an R Practitioner the appointment will be limited to six months. Salary is at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of recent testimonials, should be sent to the undersigned.

R. J. CARLESS, House Governor.

## Weston-super-Mare Hospital.

(150 Beds.)

HOUSE PHYSICIAN.

Applications are invited for the post of House Physician at this Hospital. Salary at the rate of £150 per annum, with board, rooms, and laundry. Duties commencing 14th July.

Applications, stating age, qualifications, and enclosing copies of testimonials, should be addressed to the undersigned.

LESLIE J. FURSLAND, Secretary.

## Applications are invited from registered

Medical Practitioners for the appointment of RESIDENT MEDICAL OFFICER (B2) which is now vacant. The salary is at the rate of £200 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, nationality, and present post, and accompanied by copies of three recent testimonials, should be sent to the undersigned immediately.

The Secretary, LEEDS JEWISH HOSPITAL, 9, Leopold-street, LEEDS, 7.

## Bedford County Hospital.

Applications are invited from registered Medical Practitioners (Male and Female) for the appointment of a CASUALTY OFFICER (A) to become vacant on July 1st, including R Practitioners within six months of qualification. Appointment for a period of six months. Salary £150 per annum, with full residential emoluments.

Application, stating age, qualifications with dates, and nationality, together with three recent testimonials, to be sent to the Secretary, Hon. Medical Staff Committee, as soon as possible.

## General Hospital, Nottingham.

(389 Beds.)

EAR, NOSE, AND THROAT DEPARTMENT.

A HOUSE SURGEON (Male or Female) is required for the above department containing 40 Beds and a large Out-patient Department. The appointment is for six months, with salary at the rate of £200 a year, with board, residence, and laundry.

Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned immediately.

Duties to commence as soon as possible.

HENRY M. STANLEY, House Governor and Secretary.

## General Hospital, Nottingham.

(389 Beds.)

ORTHOPÆDIC AND FRACTURE DEPARTMENT.

A HOUSE SURGEON (Male or Female) is required for the above Department. The appointment is for six months, with salary at the rate of £200 a year, with board, residence, and laundry. Experience in the treatment of fractures desirable.

Candidates are asked to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned. Duties to commence as early as possible.

HENRY M. STANLEY, House Governor and Secretary.

## Nottingham General Hospital.

(389 Beds.)

A CASUALTY OFFICER (Male or Female) is required immediately at the above Hospital. The appointment is for six months, with salary at the rate of £200 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of testimonials, to be sent to the undersigned immediately. Duties to commence as soon as possible.

HENRY M. STANLEY, House Governor and Secretary.

## County Borough of Halifax.

HALIFAX GENERAL HOSPITAL. (405 Beds.)

RESIDENT MEDICAL OFFICER (Male or Female).

Applications are invited from duly qualified registered Medical Practitioners for the above appointment. Salary £250 per annum, together with board, residence, and laundry.

The appointment will be for a term not exceeding twelve months and is not renewable.

Forms of applications and conditions of appointment can be obtained from the Medical Officer of Health, Powell-street, Halifax.

Completed applications, together with copies of not more than three recent testimonials, endorsed "Resident Medical Officer," should be forwarded to the undersigned as early as possible. Canvassing, either directly or indirectly, will be a disqualification.

GEORGE C. F. ROE, Medical Officer of Health.

General Hospital, Halifax, 4th June, 1940.

## The Royal Infirmary, Bradford.

Two HOUSE SURGEONS (Male) wanted immediately. Six months' appointment. Candidates must be single and legally qualified. Salary £150 per annum, with board, residence, and laundry. There are 345 Beds and 10 Resident Officers.

Applications, stating age, nationality, qualifications, and previous experience, with copies of recent testimonials, should be sent to the undersigned as soon as possible.

H. TRUSSON, House Governor and Secretary.

11th June, 1940.

## Blackburn Royal Infirmary.

Five Residents—(244 Beds).

Applications are invited for the post of RESIDENT SURGICAL OFFICER (B1) to become vacant on 30th June, 1940. Applicants should have held house appointments and had surgical experience. Preference will be given to candidates holding Diploma of F.R.C.S. Suitably qualified R Practitioners holding B2 or B1 appointments are invited to apply. Salary is at the rate of £250.

Applications, stating age, nationality, qualifications with dates, experience, and details of previous appointments, and accompanied by copies of three testimonials, should be sent to the undersigned as soon as possible.

T. DEWHURST, General Superintendent and Secretary.

Royal Infirmary, Blackburn.

## Kent and Sussex Hospital,

ROYAL TUNBRIDGE WELLS.

APPOINTMENT OF RESIDENT HOUSE PHYSICIAN.

Applications are invited from registered Medical Practitioners (Male) for the appointment of Resident House Physician (B2) to become vacant on 1st July, 1940, including R Practitioners who hold A posts and who have not completed a five months' tenure of those posts. If held by an R Practitioner the appointment will be for six months. The salary is at the rate of £200 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, nationality, and present post, and accompanied by copies of three recent testimonials, should be sent to the undersigned immediately.

TOM B. HARRISON, Superintendent-Secretary.

17th June, 1940.

## City of Birmingham Education

COMMITTEE.

APPOINTMENT OF THREE ASSISTANT SCHOOL MEDICAL OFFICERS (Men or Women).

Three Assistant School Medical Officers (Men or Women) are required to begin duty about September, 1940. Candidates must have had at least three years' experience in the practice of their profession subsequent to obtaining a registrable qualification.

Salary according to "Askwith" Scale (£500 to £700 by annual increments of £25). In fixing commencing salary previous service in Class II of "Askwith" Scale may be taken into account. £10 per annum travelling expenses allowed.

Forms of application (to be returned not later than first post on Monday, 1st July, 1940), together with further information, obtainable from the undersigned on receipt of stamped-addressed foolscap envelope. Communications should be endorsed "Assistant School Medical Officer."

Canvassing will disqualify.

P. D. INNES, Chief Education Officer.

Education Office, Margaret-street, Birmingham, 3,
7th June, 1940.

## Leicester Royal Infirmary.

(500 Beds.)

(Staff: 2 Res. Surgical Officers; 3 House Surgeons; 1 Res. Radiologist; 2 Cas. Officers; 3 Res. Anæsthetists.)

RESIDENT ANÆSTHETIST.

There will be a vacancy for a Resident Anæsthetist on 1st July.

Salary at the rate of £150 per annum for first six months, £200 per annum for second six months, £250 per annum for third six months, £250 per annum for fourth six months.

Applications should be forwarded forthwith to the House Governor and Secretary.

7th, June 1940.

## Hull Corporation Health Department.

ASSISTANT MEDICAL OFFICER OF HEALTH.

(For Port Health Work.)

Applications are invited from duly qualified Medical Men, under the age of forty-five years and of not less than three years' standing in their profession, for the appointment of Assistant Medical Officer of Health.

Salary £600 per annum, rising, subject to satisfactory service, by annual increments of £25 to £700.

Candidates must hold a registered degree or diploma in State Medicine or Public Health. Experience in Port Health Work and Infectious Diseases will be considered special qualifications.

Application forms may be obtained from, and should be returned to, the Medical Officer of Health, Guildhall, Hull, not later than Thursday, the 27th June, 1940.

## The Guest Hospital, Dudley.

(General Hospital. 139 Beds.)

The Resident Staff consists of a Resident Surgical Officer and three House Surgeons.

CASUALTY HOUSE SURGEON (Male) required. Salary at the rate of £150 per annum, plus £100 per annum war bonus, with furnished apartments, board, and laundry. Candidates must be fully qualified and registered.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned.

H. RAYMOND HURST, House Governor and Secretary.

11th June, 1940.

## Bristol Royal Infirmary.

(Branch of the Bristol Royal Hospital.)

Applications are invited for the post of SENIOR RESIDENT MEDICAL OFFICER. Salary at the rate of £200 per annum, with board, apartments, and laundry. In addition, substantial fees are received from various sources.

Candidates, who should possess a special surgical qualification, to send in their applications, stating age, together with copies of not more than four testimonials, to the undersigned on or before July 1st, 1940.

ELLIS C. SMITH, F.C.I.S., Secretary and House Governor.

## The Nottingham Hospital for Women.

HOUSE SURGEON (Female) required to commence duties early June, 1940. Appointment for period of not less than six months. Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, experience, and qualifications, accompanied by copies of three recent testimonials, to be sent forthwith to the Secretary, Mr. A. L. MORELL, Burton Buildings, Upper Parliament-street, Nottingham.

## Kettering and District General

HOSPITAL. (108 Ordinary and 50 Emergency Beds.)

HOUSE PHYSICIAN (Male).

Applications are invited for the above post.

Salary £200 per annum, with board, residence, and laundry. Candidates must be fully qualified and registered.

The appointment is for six months.

Applications, stating age, nationality, and qualifications, together with copies of three testimonials, to be sent to the undersigned as soon as possible.

G. W. JACKSON, Secretary-Superintendent.

## Borough of Tenterden.

RURAL DISTRICTS OF CRANBROOK, MAIDSTONE AND TENTERDEN.

MEDICAL OFFICER OF HEALTH.

Applications are invited for the whole-time appointment of Medical Officer of Health for an area comprising the above districts, and for which a Joint Committee is being formed. The area will have a population of about 38,000.

The duties of the office are those laid down by the Sanitary Officers (Outside London) Regulations, 1935, by which Order the appointment will be regulated.

Applicants are to be duly qualified Medical Practitioners and to be registered in the Medical Register as the holder of a diploma in sanitary science, public health, or state medicine.

The person appointed will be required (i) to devote his whole time to the duties of the office and not to engage in private practice, (ii) to reside within the area of the Joint Committee; (iii) to provide his own office accommodation, means of locomotion, and staff; (iv) to commence duties if possible on 1st September, 1940.

The post will be subject to the Local Government Superannuation Act, 1937. The successful candidate will be required to pass a medical examination.

Salary will be paid at the rate of £800 per annum; in addition travelling expenses at the rate of £100 per annum, and a further amount of £50 per annum for office expenses (i.e., rent of office and clerical assistance). Stationery, printing, and telephone charges will be borne by authorities.

Applications (marked "M.O.H.") on form to be obtained from this office, with copy testimonials, are to be received by me not later than Friday, the 5th July, 1940.

P. G. BANFIELD,
Clerk to the Tenterden Rural District Council.

Council Offices, 5, East-hill, Tenterden, 13th June, 1940.

## Cornwall County Council.

Applications are invited for the post of an ASSISTANT SCHOOL MEDICAL OFFICER (Woman) to act under the School Medical Officer in carrying out inspections of schoolchildren and such other duties as may be required.

The commencing salary will be £500, rising by annual increments of £25 to £700 a year, with travelling allowance on the County Scale.

Applications, stating age, qualifications, and experience with copies of three recent testimonials, should be sent to the County Medical Officer, County Hall, Truro, by the 6th July.

T. A. H. SHEERS, Clerk of the County Council.

County Hall, Truro, 13th June, 1940.

## Harlow Wood Orthopædic Hospital,

Near MANSFIELD, NOTTS.

(155 Beds, being extended by 120 Beds under Emergency Medical Services.)

Applications are invited for the post of Male HOUSE SURGEON ("B.2" appointment). Salary £200 per annum, with board, residence, and laundry. The duties may include attendance at the associated out-patient clinics. The appointment will be for six months from 1st August, 1940, and may be renewed for a further six months.

Applications, stating age and experience, with copies of testimonials, should be received by the Secretary by 1st July, 1940.

## The Royal Liverpool Children's HOSPITAL.

Applications are invited for the appointment now vacant of RESIDENT SURGICAL OFFICER at the HESWALL (COUNTRY) BRANCH (240 Beds). Salary at the rate of £120 per annum.

The appointment will be for the period ending September 30th, 1940.

Applications, with copies of recent testimonials and the name of a referee, should be sent to the Secretary, Royal Liverpool Children's Hospital, Myrtle-street, Liverpool, 7, by an early post.

## County of Warwick.

PUBLIC ASSISTANCE COMMITTEE.

Immediate applications are invited for the appointment of HOUSE SURGEONS (Male or Female) at the WARWICK, NUNEATON and STRATFORD-ON-AVON EMERGENCY HOSPITALS.

Salary £200 per annum, with board, residence, and laundry. The appointments are for a period of six months.

Applications, stating age and qualifications, with copies of recent testimonials, should be sent at once to the Public Assistance Officer, Shire Hall, Warwick.

L. EDGAR STEPHENS, Clerk of the Council.

Shire Hall, Warwick, 12th June, 1940.

## Free Eye Hospital, Southampton.

Applications are invited from registered Medical Practitioners (Male or Female) for the appointment of HOUSE SURGEON (A) to fill the present vacancy, including R Practitioners within six months of qualification.

The appointment will be limited to six months, subject to an application for renewal in the case of Practitioners other than R.

Salary at the rate of £200 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, accompanied by copies of three recent testimonials, should be sent to the undersigned by an early date.

E. T. KEMP, Secretary.

## City of Portsmouth.

SAINT MARY'S HOSPITAL. (1050 Beds.)

Applications are invited for the appointment of:—

1. One SENIOR ASSISTANT RESIDENT MEDICAL OFFICER. Applicants must be single, duly qualified and registered, not exceeding thirty years, and must have had two years' hospital experience. Preference will be given to those having a knowledge of and experience in general medical work. The appointment is limited to a term of not exceeding two years. Salary for the first year £350 and for the second £375, with residential emoluments valued at £125 per annum.
2. Two JUNIOR ASSISTANT RESIDENT MEDICAL OFFICERS. Applicants must be single gentlemen, duly qualified and registered, not exceeding thirty years, and must have had at least one year's experience of hospital work. Experience in anæsthetics will be an additional qualification. The appointment is limited to a term of one year and the salary will be £250 per annum, with residential emoluments valued at £125 per annum.

Application forms may be obtained from and must be returned to the Acting Medical Officer of Health, Northern Secondary School, Portsmouth, not later than Monday, 1st July, 1940.

Canvassing will be a disqualification.

F. J. SPARKS, Town Clerk.

The Guildhall, Portsmouth, 14th June, 1940.

## Victoria Hospital, Accrington.

APPOINTMENT OF HOUSE SURGEON (A).

Applications are invited from registered Medical Practitioners (Male or Female) for the appointment of a House Surgeon (A) now vacant, including R Practitioners within six months of qualification. If held by an R Practitioner appointment will be limited to six months. Salary is at the rate of £175 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned immediately.

14th June, 1940. J. KENYON, Secretary.

## Rochdale Infirmary and Dispensary,

LANCS. (118 Beds.)

"A" APPOINTMENT.

Applications are invited from registered Medical Practitioners (Male and Female) for the appointment of SECOND HOUSE SURGEON (A), including R Practitioners within six months of qualification. If held by an R Practitioner, appointment will be limited to six months. Salary is at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned immediately.

Rochdale Infirmary. W. WYNNE, Secretary.

## Norfolk and Norwich Hospital, Norwich

(448 Beds.)

Applications are invited from registered Medical Practitioners (Male) for the appointment of HOUSE SURGEON (A) to the EAR, NOSE, AND THROAT AND OPHTHALMIC DEPARTMENTS, including R Practitioners within six months of qualification. If held by an R Practitioner appointment will be limited to six months. Salary is at the rate of £120 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned as soon as possible.

FRANK INCH, House Governor and Secretary.

21st June, 1940.

## County Borough of Wolverhampton.

TEMPORARY ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified Medical Practitioners of either sex for the above appointment which, subject to satisfactory service, will be for a period of not less than one year.

The duties will be mainly connected with Infant Welfare and the treatment of infectious diseases. Candidates must possess special post-graduate experience in Maternity and Child Welfare work and the treatment of infectious diseases, and should preferably hold a degree or diploma in Public Health. Salary will be at the rate of £600 per annum, with a car allowance of £25 if the officer uses his own car.

Applications, endorsed "Assistant Medical Officer" and accompanied by three recent testimonials, must be received by me not later than July 4th, 1940.

J. BROCK ALLON, Town Clerk.

Town Hall, Wolverhampton, June, 1940.

## Herefordshire General Hospital,

HEREFORD. (152 Beds.)

Immediate applications are invited for the post of HOUSE PHYSICIAN (Male).

Salary at the rate of £120 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, together with copies of three recent testimonials, to be sent to the undersigned.

T. W. UPTON, Secretary.

## Runwell Hospital for Nervous and MENTAL DISORDERS, WICKFORD, ESSEX.

(1010 Beds.)

TEMPORARY ASSISTANT MEDICAL OFFICER required (Man or Woman). Salary £350 per annum, all found. Part of the Institution is used as a general hospital under the E.M.S. scheme.

Applications, stating age, experience, &c., together with copies of recent testimonials, to be forwarded to the Physician-Superintendent as soon as possible.

Previous knowledge of psychiatry not essential.

## Taunton and Somerset Hospital.

APPOINTMENT OF HOUSE SURGEON (A).

Applications are invited from registered Medical Practitioners (Female). Salary at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned without delay.

F. J. J. STACEY, Secretary.

Taunton and Somerset Hospital, Taunton.

## North Staffordshire Royal Infirmary, STOKE-ON-TRENT.

(Normally 412 Beds. Class 1A.)

Applications are invited from registered Medical Practitioners (Male and Female) for the following appointments now vacant:—

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HOUSE PHYSICIAN (A).
CASUALTY OFFICER (A).

Appointment will be for a period of six months. Salary at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, accompanied by copies of three recent testimonials, should be sent to the undersigned as soon as possible.

THORNBURROW GIBSON, Secretary and House Governor.

17th June, 1940.

## Borough of Walthamstow. THORPE COOMBE MATERNITY HOSPITAL.

(50 Beds.)

ASSISTANT RESIDENT MEDICAL OFFICER.

Applications are invited from qualified Medical Women for the above post to become vacant in mid-August and tenable for one year at a salary of £200, plus board, residence, and laundry. Previous experience in obstetrics is desirable.

Applications to be returned to the undersigned on the prescribed form, with copies of three recent testimonials, not later than NOON, 3rd July, 1940.

F. G. GARNER, Town Clerk.

Town Hall, Walthamstow, E.17.

## The Royal Hospital, Wolverhampton.

(Incorporated under Royal Charter.)

Applications are invited for the following appointment:—

HOUSE SURGEON—FRACTURE AND ORTHOPÆDIC DEPARTMENT. Duties to commence forthwith.

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Candidates must be registered under the Medical Acts and unmarried.

The appointment is for six months. Salary £100 per annum, board, furnished room, and laundry provided.

Applications, with copies of testimonials, to be forwarded to the undersigned. W. H. HARPER, House Governor.

Wolverhampton, 17th June, 1940.

## Worthing Hospital.

APPOINTMENT OF A HOUSE SURGEON (A)

Applications are invited from registered medical practitioners, male, for the appointment of a House Surgeon (A) to become vacant on the 15th July, 1940, including R practitioners within 6 months of qualification. If held by an R practitioner appointment will be limited to six months, otherwise it will be for a period of six months. Salary is at the rate of £130 per annum, with full residential emoluments. Application, stating age, qualifications with dates and nationality and accompanied by copies of three recent testimonials should be sent to the undersigned not later than 30th June.

A. V. OAKTON, Secretary-Superintendent.

## Salisbury General Infirmary.

(225 Beds. 4 Residents.)

APPOINTMENT OF HOUSE SURGEON (A).

Applications are invited from registered medical practitioners (male) for the appointment of a House Surgeon (A) to become vacant on July 1st, 1940, and tenable for a period of six months. Salary is at the rate of £125 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned as soon as possible.

JOHN WILLIAMS, Secretary-Superintendent.

## Exminster Emergency Hospital, EXMINSTER, NR. EXETER, DEVON.

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## Westmorland County Hospital, Kendal.

(82 Beds.)

APPOINTMENT OF HOUSE SURGEON (B2).

Applications are invited from registered Medical Practitioners (Female) for the appointment of House Surgeon (B2) to become vacant on 18th August, 1940. The appointment is for six months, renewable for a further six months. Salary £225 per annum, with board, residence, and laundry.

Applications, stating age, qualifications with dates, nationality, present post, and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than 6th July, 1940.

J. M. SOMERVELL, Honorary Secretary.

## Chesterfield and North Derbyshire ROYAL HOSPITAL.

(220 Surgical and Medical Beds.)

APPOINTMENT OF A HOUSE SURGEON.

Applications are invited from registered Medical Practitioners, for the appointment of a House Surgeon (A) to the OPHTHALMIC AND EAR, NOSE, AND THROAT DEPARTMENTS to become vacant on the 1st July, 1940, including "R" practitioners with six months of qualification. If held by an "R" practitioner, appointment will be limited to six months. Salary at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned as soon as possible.

M. H. BOONE, Superintendent and Secretary.

18th June, 1940.

## Nottingham & Midland Eye Infirmary.

Applications are invited from registered Medical Practitioners, Male and Female, for the post of RESIDENT HOUSE SURGEON (A). Six months' appointment. Salary £200 per annum, with board and laundry. 54 Beds. Large Out-patient Department. Post recognised for D.O.M.S.

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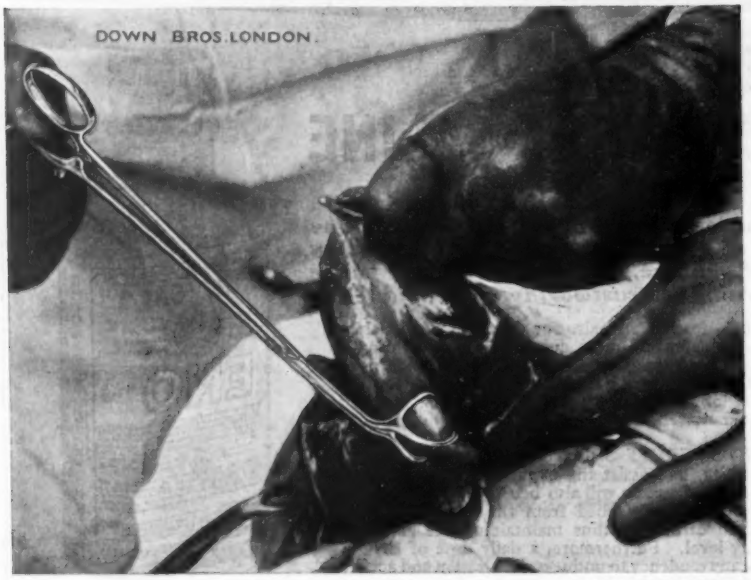


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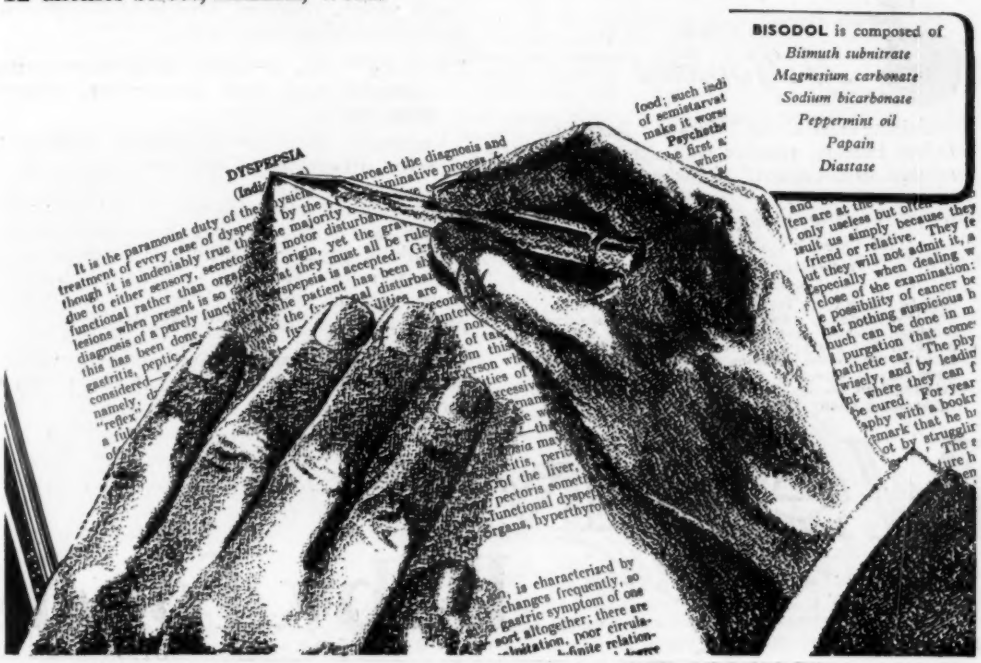

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Physiological tests show that "Veguva" Foods are rich in the vitamins, easily assimilable organic iron and other important mineral salts which are essential to normal development and well being and the prophylaxis of deficiency disorders.

"Veguva" is packed by methods which effectively conserve the product and prevent any deterioration.

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*explaining in detail the "Veguva" System of Infant Feeding, together with clinical trial samples of "Veguva" Foods, will be sent on request.*

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Present conditions have imposed a considerably-increased need for effective prophylaxis against the organisms of both tetanus and gas-gangrene.

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VS/E/76

**In Pruritus Ani,[1] Anal Fissure,[1] Pruritus Vulvæ,[1] and Lower Abdominal Pains originating from the Cervix Uteri[2]**

Proctocaine is a lasting, non-toxic, local anæsthetic, for use in irritating or painful conditions of the skin and subcutaneous tissues. It is an improved form of A.B.A. Proctocaine is a combination of oil-soluble anæsthetics of low toxicity. These are combined so as to produce *immediate local anæsthesia* which is maintained by the slow, uniform absorption of its oily vehicle, and action of its oil-soluble ingredients.

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6. Its injection is painless if made slowly.
7. In no case did it produce severe after-pain.

[1] *British Medical Journal*, 1935, November 16th, p. 938.
[2] *British Medical Journal*, 1938, January 15th, p. 105.

In 2 c.cm. ampoules: boxes of 6, 4/6; and 12, 8/6.
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M&B

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The baby's first solid food always excites the parents interest. Will he cry? Will he spit it up? Will he try to swallow the spoon? Far more important than the child's "cute" reactions is the fact that figuratively and physiologically this little fellow is just beginning to eat like a man.

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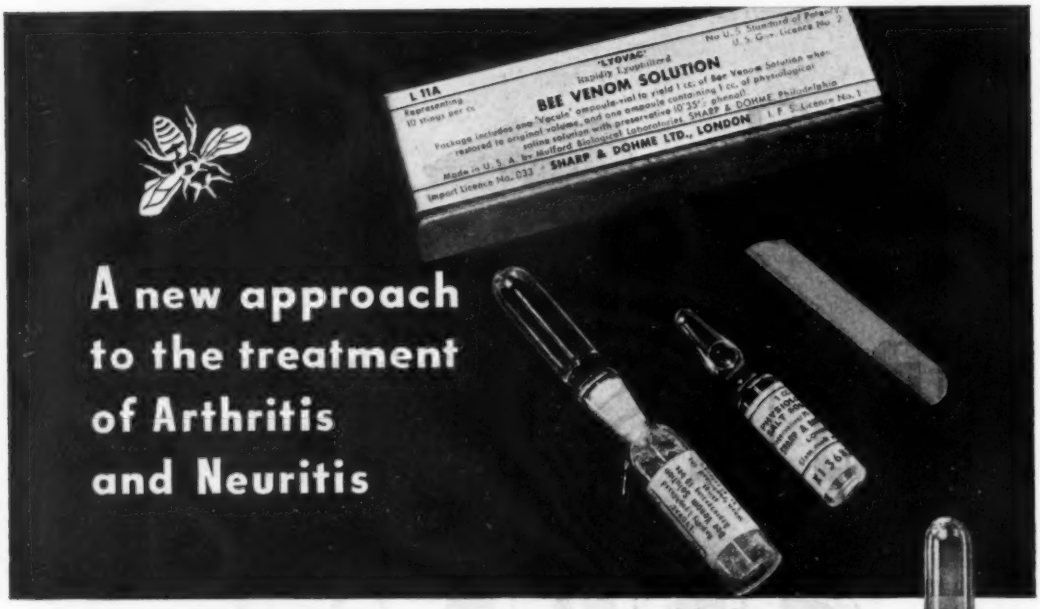


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*Detailed information on the use of this product, the dosage schedule and method of application will be sent on request.*

1. South. Med. & Surg., 100:535, Nov., '38
2. Nabraska M. J., 24:298, Aug., '39

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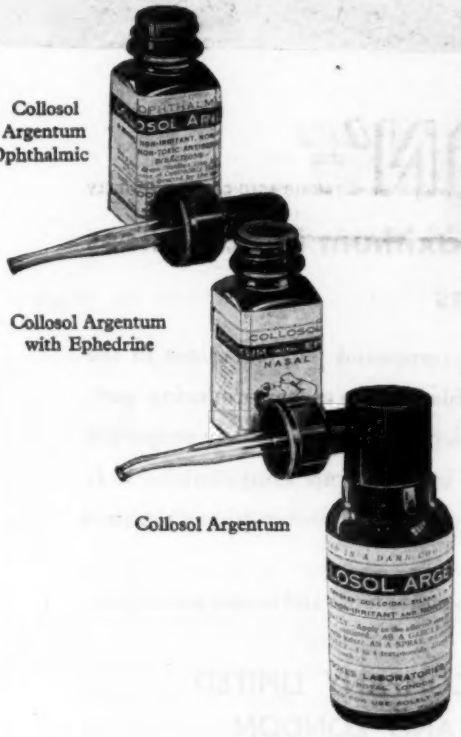


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It exhibits the direct bactericidal effect of ionic silver given off from the colloid and maintained at a definite concentration by the break-up of the colloidal particles. One drop contains approximately four million particles smaller than the smallest bacteria.

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Ophthalmic (with pipette) ½-oz. **2/6**
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*COLLOSOL ARGENTUM is also issued in ampoules for injection and in bougies, ointment, pessaries, pigmentum suppositori, also as a dentifrice and in soap.*

*Clinical Literature on Application*

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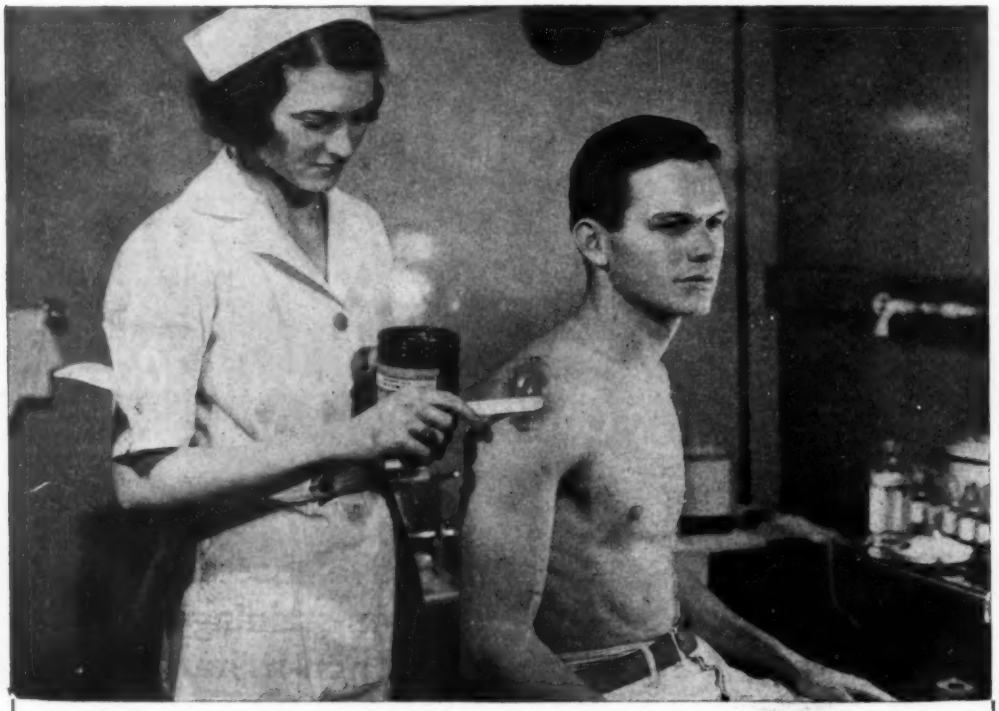

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A highly concentrated liver extract. Each teaspoonful contains the equivalent of two ounces of fresh liver.

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A desiccated Hog's stomach preparation of high therapeutic activity and free from pathogenic organisms.

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A neutral, isotonic, non-irritant solution containing Neo-Hepatex, iron, arsenic, strychnine and sodium glycerophosphate.

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A combination of Hepatex and Iron. Each fluid drachm contains the hæmopoietic principles of 2-oz. of fresh liver and one grain of metallic iron with a slight trace of copper.

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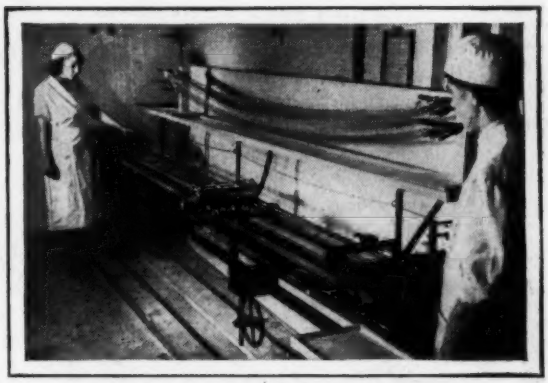

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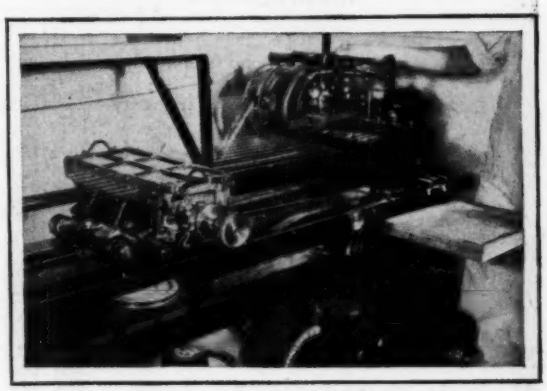

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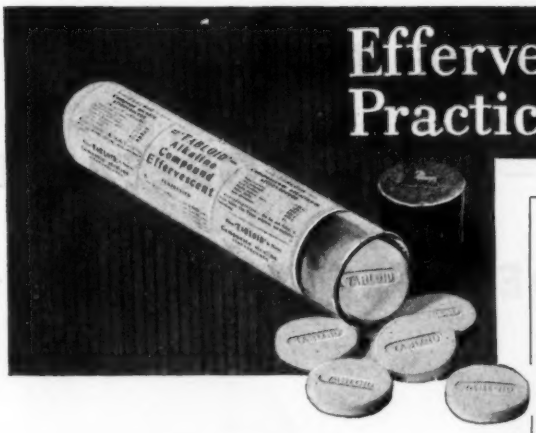


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| Salis Effervescentis, | *q.s.* |

Produces in water a pleasant alkaline systemic draught which secures the effective administration of approximately 21 grains of bicarbonate.

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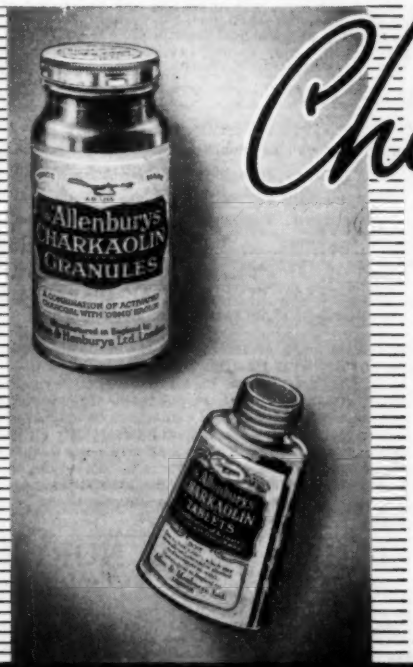


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A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL.
Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

# F.R.C.S. (FINAL) POSTGRADUATE COURSES

CLINICAL SURGERY COURSE, at the Royal Cancer Hospital, July 1st to 26th, on Mondays, Wednesdays and Fridays, 10 A.M. to 12.30 P.M. Fee £3 13s. 6d. (Members £3 3s.). PRACTICAL OPERATIVE SURGERY CLASS, at the Royal Cancer Hospital, on Monday, Wednesday and Friday afternoons, at 2 P.M., July 22nd to August 16th. Fee £12 12s. (Members £10 10s.).

Apply, FELLOWSHIP OF MEDICINE, 1, Wimpole-street, London, W.1. LANgham 4266.

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MAGHULL (near LIVERPOOL)

FARMING and OPEN AIR OCCUPATION for PATIENTS

A few vacancies in 1st and 2nd Class Houses.

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*For further particulars apply:* C. EDGAR GRISEWOOD, A.C.A., *Secretary*, 20, Exchange Street East, Liverpool, 2

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A Private Home for the Care and Treatment of a limited number of LADIES with Mental and Nervous Disorders. Certified, Voluntary, and Temporary Patients received. Mansion with 12 acres of ground. (*See Medical Directory*, p. 2346.) Apply Resident Physician. Telephone: Little Chalfont 2046. Station: Chalfont and Latimer.

Telephone: Welbeck 2722.
Telegrams: "ASSISTIANO, LONDON."

## For MEDICAL, SURGICAL, and MENTAL NURSES Male or Female.

Our nurses are chosen carefully for their personal character and their suitability for private work. They reside on the premises, and are available for urgent cases Day or Night.

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## British Postgraduate Medical School.

UNIVERSITY OF LONDON.

A Course of Instruction for the DIPLOMA IN CLINICAL PATHOLOGY will commence in October, 1940.

A detailed programme will be published nearer the date.

Further particulars may be obtained from the Dean, British Postgraduate Medical School, Ducane-road, London, W.12.

## British Postgraduate Medical School.

UNIVERSITY OF LONDON.

A Course of Lectures on the CENTRAL NERVOUS SYSTEM with special reference to War Conditions will commence on Monday, July 22nd, at 10 A.M. The course will last a week. A detailed programme will be published later.

## Littleton Hall, Brentwood, Essex.

(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received.
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Please address all communications W. WALSH, Secretary.

# ST. ANDREW'S HOSPITAL

## FOR NERVOUS AND MENTAL DISORDERS,

## NORTHAMPTON

*FOR THE UPPER AND MIDDLE CLASSES ONLY.*

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, K.G., C.M.G., A.D.C.

MEDICAL SUPERINTENDENT: THOMAS TENNENT, M.D., M.R.C.P., D.P.H., D.P.M.

This Registered Hospital is situated in 130 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble; temporary patients, and certified patients of both sexes are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

### WANTAGE HOUSE

This is a Reception Hospital in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the complete investigation and treatment of Mental and Nervous Disorders by the most modern methods; insulin treatment is available for suitable cases. It contains special departments for hydrotherapy by various methods, including Turkish and Russian baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical baths, Plombieres treatment, etc. There is an Operating Theatre, a Dental Surgery, an X-Ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High-frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research. Psychotherapeutic treatment is employed when indicated.

### MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupational therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

### BRYN-Y-NEUADD HALL

The seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North-West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout-fishing in the park.

At all the branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard courts), croquet grounds, golf courses, and bowling greens. Ladies and gentlemen have their own gardens, and facilities are provided for handicrafts, such as carpentry, etc.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

# PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." Telephones: Rodney 2641 and 2642.

The above House is for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified voluntary and temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. Occupational therapy, physical drill, and other forms of modern treatment. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor drives are arranged when required. Tennis courts. Entertainments, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

# CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

***For the treatment of MENTAL DISORDERS.***

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds. Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel. **Shock and also modified Insulin Therapy.**

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An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

**The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.**

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First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the Treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air, SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-ray controlled). TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms: 5 to 7½ Guineas a week inclusive.**

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All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
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('Phone : Nuneaton 241)

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*Illustrated Brochure and particulars obtainable from A. E. CARVER, M.D., D.P.M., Resident Medical Superintendent.*

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The Pioneer Hospital, opened 1796, for the humane treatment of those suffering from Nervous and Mental Disorder

This Hospital of 200 beds, administered by a Committee of the Society of Friends, combines what is best in the investigation and treatment of nervous illness with a sympathetic and friendly atmosphere. Last year 118 patients were admitted, of whom 84 were voluntary cases.

Much curative work is accomplished in our mental hospitals to-day and the recovery rate compares very favourably with that of our general hospitals.

For information and terms of admission apply to :—
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ARTHUR POOL, M.R.C.P.
(Telephone : York 3612)
who is available for consultation

# NORTHUMBERLAND HOUSE

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**FINSBURY PARK, N.4**

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For further particulars apply to the MEDICAL SUPERINTENDENT.

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*Resident Physicians*—BERTHA M. MULES, M.D., B.S. ANNE S. MULES, M.R.C.S., L.R.C.P.
Telephones—STARCROSS 259 and TEIGNMOUTH 289

# HAYDOCK LODGE,

## NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders, Alcoholism and Drug addiction, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

# THE OLD MANOR SALISBURY

*A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.*

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.
**CONVALESCENT HOME AT BOURNEMOUTH** Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.
Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 3216 and 3217.

# SHAFTESBURY HOUSE

**FORMBY-BY-THE-SEA Nr. LIVERPOOL**

Specially built and licensed for the care and treatment of a limited number of Ladies and Gentlemen suffering from NERVOUS and MENTAL breakdown. Voluntary and certified patients received. Ladies also admitted as Temporary Patients without certification. Terms moderate. *Apply*, RESIDENT PHYSICIAN, who may be seen in Liverpool, by appointment. *Tel. No.* 8 *Formby.*

# CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

# CRICHTON ROYAL, DUMFRIES

**For NERVOUS AND MENTAL DISORDERS**

Separate Villa for patients suffering from the effects of alcoholism and drug addiction. Every facility for complete investigation and individual treatment on the most modern lines. Fully equipped gymnasium, golf course, and indoor swimming pool. Specially trained occupational and recreational therapists. **Special Department for Insulin Therapy.** As the hospital is well endowed terms are exceptionally moderate, e.g., First Department from 3 guineas per week, Second Department, 2 and 2½ guineas per week. Voluntary and certified patients are received. Medical Certificates given anywhere in the British Isles are valid for admission of patients. *For prospectus, necessary forms, and further information apply to:—*

Physician Superintendent, P. K. McCowan, J.P., M.D., F.R.C.P., D.P.M., Barrister-at-Law. *Tel.* Dumfries 1119.

# HOLLOWAY SANATORIUM

**VIRGINIA WATER**

**A Registered Hospital for the Treatment of MENTAL DISORDERS of the EDUCATED CLASSES. Founded by THOMAS HOLLOWAY in 1885.**

This Institution is situated in a beautiful and healthy locality within easy reach of London. It is fitted with every comfort. Patients can have Private Bedrooms and Special Nurses as well as the use of General Sitting Rooms, at moderate rates of payment. Voluntary Patients can be admitted.

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*For Terms, apply to—*

**The RESIDENT MEDICAL SUPERINTENDENT, St. Ann's Heath, Virginia Water, SURREY**

# BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

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*For further particulars apply—*
Dr. ERNEST ROLLINS, Resident Physician.
*Tel.:* Amherst 1642.

## PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

# STRETTON HOUSE,

**Church Stretton, Shropshire.**
ESTABLISHED IN 1853.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Patients under the provisions of the Mental Treatment Act, 1930. Bracing hill country. See "Medical Directory," p. 2358.—Apply to the Medical Superintendent. 'Phone 10 P.O., Church Stretton.

# Grove House, All Stretton, Church

STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

Apply to Dr. McCLINTOCK, Proprietor and Resident Medical Superintendent.

## CHISWICK HOUSE,
**PINNER, MIDDLESEX.**
**Telephone: PINNER 234.**

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.

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## MALLING PLACE, KENT
For LADIES and GENTLEMEN of Unsound Mind.
Terms moderate. Apply to Resident Medical Superintendent.
Telegrams: ADAM WEST MALLING. Telephone No. 2: MALLING.

## SPRINGFIELD HOUSE
'Phone: BEDFORD 3417. **Near BEDFORD**
**For Mental Cases with or without Certificates.**
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INTERVIEWS IN LONDON BY APPOINTMENT.

## CITY OF LONDON MENTAL HOSPITAL
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Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of £2 9s., and upwards.

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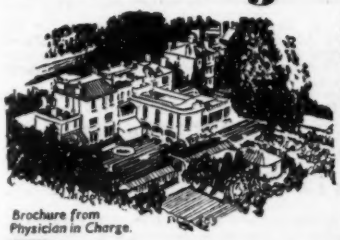
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HASSOCKS - - SUSSEX 'Phone 103
*(in association with fully licensed Downs Hotel)*


## The Princess Beatrice Hospital,
Earl's Court, S.W.5.

URGENT.—Appointment of:
(1) HOUSE SURGEON AND CASUALTY OFFICER (A).
(2) HOUSE PHYSICIAN AND CASUALTY OFFICER (A).

Applications are invited from registered Medical Practitioners, Male and Female, including R Practitioners within six months of qualification, for the appointment of the above for six months from 1st July, 1940. If held by an R Practitioner, the appointment will be limited to six months. Salary is at the rate of £110 per annum, with board, residence, and laundry, plus £10 during the six months to cover all duties relating to private patients.

Applications, stating age, qualifications with dates, and nationality, and accompanied by three recent testimonials, should be sent to the undersigned immediately.

JOHN R. GRIFFITH, House Governor.

## Middlesex Hospital.

An ASSISTANT (Woman) is required at once in the RADIOTHERAPY DEPARTMENT, Middlesex Hospital. Previous training in radiotherapy not necessary. The post is suitable for someone with surgical experience, working for a higher examination. The post will be for one year in the first instance, is non-resident, and the salary will be according to experience, minimum £250.

Applications from qualified Women Practitioners with suitable testimonials should be made at once to—

THE SECRETARY-SUPERINTENDENT.

Middlesex Hospital, W.1.


## UNIVERSITY EXAMINATION POSTAL INSTITUTION
Founded in 1882 by E. S. WEYMOUTH, M.A.
**Postal or Oral Preparation for all Medical Examinations.**

### SOME SUCCESSES

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**MEDICAL PROSPECTUS (36 pages),**
sent gratis, along with List of Tutors, &c., on application to the Principal, 17, Red Lion-square, London, W.C.1. (Telephone: Holborn 6313.)


## St. John's Hospital, Lewisham, S.E.13.

Applications are invited from registered Medical Practitioners, Male and Female, for the appointment for six months of CASUALTY OFFICER (A) to become vacant on August 1st next, including R Practitioners within six months of qualification. Salary £100 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent as soon as possible to the undersigned.

J. C. GILBERT, Secretary-Superintendent.

## Albert Dock Hospital, E.16.

The Committee of Management of the Seamen's Hospital Society invite applications from Male registered Practitioners for the appointment of a HOUSE SURGEON (A) falling vacant on 1st July, including R Practitioners within six months of qualification.

The appointment will be for six months, with salary at the rate of £110 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, accompanied by copies of recent testimonials, to be sent to the undersigned immediately.

F. A. LYON, Secretary.
Seamen's Hospital Society, Greenwich, S.E.10.

## National Temperance Hospital,
Hampstead-road, N.W.1.

Applications are invited to fill a vacancy for the post of CASUALTY OFFICER, who will be required to act as House Surgeon under the E.M.S. (A Post). Salary £140 per annum, with board, residence, and laundry. The appointment is for a period of three months as from July 31st.

Applications, stating qualifications, age, &c., with copies of not more than three testimonials, by July 12th addressed to the Secretary.

## The Royal Waterloo Hospital,
Waterloo-road, S.E.1.

Applications are invited from registered Medical Practitioners (Male and Female) for the appointment of a CASUALTY OFFICER (B2) to become vacant on 1st August, including R Practitioners within six months of qualification. If held by an R Practitioner appointment will be limited to six months. Otherwise it will be subject to renewal. Salary is at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than 9th July.

J. H. TEASDALE, Secretary.

## Hampstead General Hospital,
Haverstock-hill, N.W.3.

OUT-PATIENT DEPARTMENT, Camden Town, N.W.1.

Applications are invited from registered sing's Medical Women for the resident appointment of CASUALTY MEDICAL OFFICER for six months, vacant 1st August next, at the Out-patient Department, Camden Town. Salary £100 per annum, plus an allowance of £50 per annum for duties in connexion with the First-aid Post established there.

Applications on the prescribed form, with copies of three testimonials, to be returned 22nd July.

KENNETH A. F. MILES, Secretary.

## Hospital for Consumption and Diseases
OF THE CHEST, Brompton, S.W.3.

Applications for the post of HOUSE PHYSICIAN (B2), for which there are four vacancies, are invited from registered Medical Practitioners (Male and Female), including R Practitioners who hold A Posts and have not completed a five months' tenure of those posts.

The duties include work in the Out-patient Department as well as in the Wards, and the appointment is for six months commencing on August 1st, with an honorarium of £50.

Applications, stating age, qualifications with dates, nationality, and present post, and accompanied by copies of at least one recent testimonial, should reach the undersigned not later than Wednesday, July 10th, 1940.

F. G. ROUVRAY, Secretary.

Brompton, June, 1940.

## Royal Free Hospital,
Gray's Inn-road, W.C.1.

Applications are invited from duly qualified and registered Medical Women for the following post:—

RESIDENT CASUALTY OFFICER.

Duties to commence 1st September, 1940, for six months. If the successful candidate is not remunerated by the Emergency Medical Service she will be paid by the Hospital at the rate of £150 per annum. Candidates must have held previous residential hospital appointments.

The undersigned will supply application forms, which should be completed and returned to him, accompanied by copies of three recent testimonials, on or before the 24th July, 1940.

RICHARD T. BARTLEY, Secretary.

## Royal Free Hospital,
Gray's Inn-road, W.C.1.

Applications are invited for the post of DISTRICT OBSTETRIC ASSISTANT tenable for six months in the first place at a salary of £100 per annum. Duties to commence 1st September, 1940. Candidates must be duly qualified registered Medical Women.

Application form may be obtained from the undersigned and should be duly filled in and returned on or before the 24th July, 1940.

RICHARD T. BARTLEY, Secretary.

## Royal Free Hospital,
Gray's Inn-road, W.C.1.

APPOINTMENT OF RESIDENT CASUALTY OFFICER (B2).

Applications are invited from registered Medical Practitioners (Male) for the appointment of Resident Casualty Officer (B2) to become vacant on 1st September, 1940. The appointment is for six months. The salary is at the rate of £150 per annum, with full residential emoluments.

The undersigned will supply application forms, which should be completed and returned to him, accompanied by copies of three recent testimonials, on or before 24th July, 1940.

RICHARD T. BARTLEY, Secretary.

## Battersea General Hospital,
(85 Beds) Battersea Park, S.W.11.

Applications are invited for the appointment of HOUSE PHYSICIAN (Male or Female) for a period of six months. Salary at the rate of £120 per annum, with board, residence, and laundry.

Applications, stating age, nationality, qualifications, and experience, together with copies of three testimonials, should be sent to the Secretary of the Hospital at the earliest possible moment.

## Middlesex County Council.

RESIDENT ASSISTANT MEDICAL OFFICER (Anæsthetist) required for NORTH MIDDLESEX COUNTY HOSPITAL, Silver-street, Edmonton, N.18. Must be registered Medical Practitioner and held resident appointments in general hospitals. Special experience in administration of anæsthetics. Preference given to applicant with Diploma of Anæsthetics.

Salary £400–£25–£475 per annum. Board, lodging, and laundry.

Whole-time duties under Medical Superintendent mainly administering anæsthetics and such other duties as required. Subject to medical examination and one month's notice. For four years only.

Application to the undersigned. No application forms provided. Relationship to any member or officer of Council to be disclosed. Copies of not more than three recent testimonials. Canvassing directly or indirectly will disqualify. Closing date 6th July.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.

Guildhall, Westminster, S.W.1.

## South Eastern Hospital for Children,
Sydenham, S.E.26.

Applications are invited for the appointments of Two Female RESIDENT MEDICAL OFFICERS (A) to take up duty immediately. The appointments are for six months, and the salary or salaries at the rate of £150 per annum, with board and quarters. Applications, stating age, qualifications with dates, nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned forthwith.

H. W. WOOLVEN, F.C.I.S., Secretary.

## The Royal Waterloo Hospital,
Waterloo-road, S.E.1.

Applications are invited from registered Medical Practitioners (Male and Female) for the appointment of a HOUSE PHYSICIAN (A) to become vacant on 1st August, including R Practitioners within six months of qualification. If held by an R Practitioner, appointment will be limited to six months. Otherwise it will be subject to renewal. Salary is at the rate of £100 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than 9th July.

J. H. TEASDALE, Secretary.

## Evelina Hospital for Sick Children,
Southwark Bridge-road, S.E.1.

Applications are invited from registered Medical Practitioners Male or Female, for the combined appointment of HOUSE SURGEON–OUT-PATIENT OFFICER (A), for six months from the 1st August. Salary at the rate of £120 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than 10th July.

W. H. SIDNELL, House Governor.

## West London Hospital, Hammersmith,
W.6.

APPOINTMENT OF A CASUALTY OFFICER (A).

Applications are invited immediately from registered Medical Practitioners, including R Practitioners within six months of qualification, for appointment as a Casualty Officer (A).

The appointment is for a period of six months and may be terminated by a month's notice on either side.

Salary £50–£100 according to experience, with the usual residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned forthwith.

H. A. MADGE, Secretary.

## The Royal Cancer Hospital (Free)
(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

A Course of Study in Medical Radiology qualifying for the DIPLOMA IN MEDICAL RADIOLOGY of the University of London and the Royal Colleges of Physicians and Surgeons will commence on TUESDAY, 1ST OCTOBER, 1940, at the Royal Cancer Hospital, Fulham-road, London, S.W.3.

The Course includes Theoretical and Practical Instruction in Clinical Radiology (Radiation Therapy and X-ray Diagnosis) and also Physics applied to Medical Radiology.

Full particulars may be obtained on application at the above address to the Secretary.

CLEMENT COBBOLD, Secretary.

## University of Sydney.

Applications are invited for CHAIR OF OBSTETRICS. Salary £2000 per annum. Duties commence 1st December, 1940. Further particulars from the Secretary, Universities Bureau of the British Empire, 88A, Gower-street, London, W.C.1.

Applications to be sent by 30th September to the Registrar, The University of Sydney, New South Wales.

## The Royal Berkshire Hospital,
READING.

Applications are invited from registered Medical Practitioners, Male, for the appointment of HOUSE SURGEON to the SPECIAL DEPARTMENTS (Ear, Nose, and Throat, and Eye) and RESIDENT MEDICAL OFFICER at the BLAGRAVE BRANCH HOSPITAL (B2) to become vacant on August 1st, 1940, including R Practitioners who hold A posts and who have not completed a five months' tenure of those posts.

The appointment is for six months. The salary is at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, nationality, and present post, and accompanied by copies of three recent testimonials, should be sent to the undersigned immediately.

H. E. RYAN, Secretary and House Governor.

## County Council of Renfrew & Burgh
OF PORT GLASGOW JOINT MATERNITY AND CHILD WELFARE COMMITTEE.

RESIDENT MEDICAL OFFICER (OBSTETRICAL).

Applications are invited for the above temporary resident appointment at the MATERNITY HOSPITAL, THORNHILL, JOHNSTONE. The salary will be at the rate of £350–£400 per annum (depending upon the previous experience of the person appointed), plus full residential emoluments valued at £100 per annum. The appointment will be available during the absence on war service of the permanent resident obstetrician.

Further information regarding the appointment may be obtained from the County Medical Officer, County Buildings, Paisley, with whom applications, stating age and experience, should be lodged not later than 6th July, 1940.

J. C. FRASER, County Clerk.

County Buildings, Paisley, 18th June, 1940.

## Borough of Walthamstow.

THORPE COOMBE MATERNITY HOSPITAL.
(50 Beds.)

ASSISTANT RESIDENT MEDICAL OFFICER.

Applications are invited from qualified Medical Women for the above post to become vacant in mid-August and tenable for one year at a salary of £200, plus board, residence, and laundry. Previous experience in obstetrics is desirable.

Applications to be returned to the undersigned on the prescribed form, with copies of three recent testimonials, not later than NOON, 3rd July, 1940.

F. G. GARNER, Town Clerk.

Town Hall, Walthamstow, E.17.

## Northamptonshire County Council.

WOMAN MEDICAL OFFICER.

The above Council invite applications from registered Medical Practitioners for the appointment of a Woman Medical Officer, to be engaged principally on maternity and child welfare and school medical inspection duties. Preference will be given to candidates who have had previous experience in these services or who hold a Diploma in Public Health or similar qualification.

The appointment, which will be determinable by one month's notice on either side, will be a temporary one for a period not exceeding the duration of the war.

The salary will be at the rate of £500 per annum, rising by increments of £25 per annum to £700 per annum, but the initial salary may be fixed according to the experience of the candidate appointed at a higher figure, but not exceeding £600 per annum. Travelling and subsistence expenses will be paid on the scale approved by the Council.

The officer will be required to devote her whole time to the duties of the office and to discharge, under the direction of the County Medical Officer of Health, the routine medical duties under the Maternity and Child Welfare Scheme and the School Medical Service, and such other duties as may be assigned to her.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, should reach the undersigned not later than the 10th July, 1940.

Canvassing will disqualify.

J. ALAN TURNER, Clerk of the County Council.

County Hall, Northampton, 25th June, 1940.

## Manchester Royal Infirmary.

The Board of Management of the Manchester Royal Infirmary invite applications from registered Medical Practitioners (Male and Female) for the following A appointments for six months at salaries of £50 per annum :—

(*a*) Vacant on 15th July :
Six HOUSE SURGEONS to GENERAL SURGICAL UNITS.
Two HOUSE SURGEONS to AURAL, GYNÆCOLOGICAL, OPHTHALMIC, and DERMATOLOGICAL DEPARTMENTS.
One HOUSE SURGEON to ORTHOPÆDIC DEPARTMENT.
Two HOUSE PHYSICIANS.

(*b*) Vacant on 15th August :
One HOUSE SURGEON to NEUROSURGICAL DEPARTMENT.
Two HOUSE PHYSICIANS.

Applications from registered Medical Practitioners (Female) are also invited for the appointment of Two RESIDENT CLINICAL PATHOLOGISTS from 15th July, 1940, for twelve months at salaries of £150 per annum.

Applications will be considered from both R and non-R Practitioners. The appointments are subject to the provisions of the bye-laws as to notice, &c., and the salary includes board, residence, and allowance for laundry.

Applications, stating age, qualifications, and nationality, to be sent to the Chairman of the Medical Board not later than 6th July, 1940.

By Order,
F. J. CABLE, General Superintendent and Secretary.

## The Royal Hospital, Wolverhampton.

(Incorporated under Royal Charter.)

Applications are invited for the following appointment :—
HOUSE SURGEON "A"—FRACTURE AND ORTHOPÆDIC DEPARTMENT. Duties to commence forthwith.

The Hospital contains 300 Beds, includes the usual special departments, and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts and unmarried.

The appointment is for six months. Salary £100 per annum, board, furnished room, and laundry provided.

Applications, with copies of testimonials, to be forwarded to the undersigned. W. H. HARPER, House Governor.

Wolverhampton, 17th June, 1940.

## Salisbury General Infirmary.

(225 Beds. 4 Residents.)

APPOINTMENT OF HOUSE SURGEON (A).

Applications are invited from registered medical practitioners (male) for the appointment of a House Surgeon (A) to become vacant on July 1st, 1940, and tenable for a period of six months. Salary is at the rate of £125 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned as soon as possible.

JOHN WILLIAMS, Secretary-Superintendent.

## County Council of Durham.

ASSISTANT WELFARE MEDICAL OFFICER.

The County Health Committee invite applications for an Assistant Welfare Medical Officer (Woman) at a commencing salary of £600 per annum, rising by annual increments of £25 to £700 per annum. Travelling allowance will be paid by the County Council in accordance with a scale to be approved from time to time.

The appointment will be subject to the regulations for the time being of the County Council relative to the payment of salary in the case of sickness, and will be terminable by three months' notice on either side. The appointment will be also subject to the following conditions :—

(1) The officer appointed must be a registered Medical Practitioner between the ages of twenty-five and fifty-five years ; must devote the whole of her time to the duties of the office ; and must not engage in private practice.
(2) She should either have had a previous appointment as Medical Officer of an antenatal clinic, with the approval of the Minister of Health, or have had at least three years' experience in the practice of her profession and special experience of practical midwifery and antenatal work. The holding of a Diploma in Public Health will be deemed an additional qualification for the post.
(3) She will be subject to the directions of the County Medical Officer of Health.
(4) She will be required to reside in Durham City, or such other place as required by the Council.
(5) She must be prepared to undertake any duties in connexion with the Maternity and Child Welfare Services of the County Council, including attendance at Birth Control Clinics.
(6) She must be prepared, if called upon, to act as locum tenens to other members of the medical staff of the County Medical Officer of Health.
(7) The appointment will terminate on marriage.
(8) The candidate will be required to pass the County Council's medical examination, and will be subject to the provisions of the Local Government Superannuation Act, 1937.

Applications, endorsed "Assistant Welfare Medical Officer," with copies of not more than three recent testimonials, must be addressed to the County Medical Officer of Health, Shire Hall, Durham, and must be received by him not later than Saturday, 6th July, 1940.

J. K. HOPE, Clerk of the County Council.

Shire Hall, Durham, 20th June, 1940.

## County Borough of Rotherham.

THE MUNICIPAL GENERAL HOSPITAL.

TWO RESIDENT ASSISTANT MEDICAL OFFICERS.
(A Posts.)

Applications are invited from registered Medical Practitioners for the positions of Resident Assistant Medical Officers (A) now vacant, including R Practitioners within six months of qualification. If held by an R Practitioner, appointment will be limited to six months, otherwise it will be for a period of twelve months.

Salary is at the rate of £200 per annum, with full residential emoluments. A temporary cost-of-living bonus, amounting at present to 5 per cent. on the annual salary, has been granted by the Borough Council, and is subject to alteration or cancellation by the Council.

The persons appointed will be required to pass a medical examination and be required to contribute to the superannuation fund of the Corporation.

Application forms may be obtained from the Medical Superintendent, Municipal General Hospital, Rotherham, and must be returned to the undersigned, endorsed "Resident Assistant Medical Officer," on or before the 10th July, 1940.

CHAS. L. DES FORGES, Town Clerk.

## New Sussex Hospital for Women,

Windlesham-road, BRIGHTON.
(60 Beds.)

Applications are invited from fully qualified Medical Women for the post of HONORARY MEDICAL CLINICAL ASSISTANT to the OUT-PATIENTS' DEPARTMENT on Thursday afternoons. The appointment to be for one year.

Applications, with copies of testimonials, to be forwarded to the Secretary at the Hospital, Windlesham-road, on or before July 6th.

## City of Leicester.

CITY GENERAL HOSPITAL.

APPOINTMENT OF A JUNIOR RESIDENT MEDICAL OFFICER (A).

Applications are invited from registered Medical Practitioners, Male or Female, for the appointment of a Junior Resident Medical Officer for mainly surgical duties, including R Practitioners within six months of qualification. If held by an R Practitioner, appointment will be limited to six months. Otherwise, it will be for a period of six months and renewable for a further six months. Salary is at the rate of £200 per annum, with full residential emoluments.

Applications, stating age, nationality, qualifications, and experience, with dates, and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than the 6th July, 1940.

E. K. MACDONALD, Medical Officer of Health.

Health Department, Grey Friars, Leicester, June, 1940.

## County Borough of Wolverhampton.

TEMPORARY ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified Medical Practitioners of either sex for the above appointment which, subject to satisfactory service, will be for a period of not less than one year.

The duties will be mainly connected with Infant Welfare and the treatment of infectious diseases. Candidates must possess special post-graduate experience in Maternity and Child Welfare work and the treatment of infectious diseases, and should preferably hold a degree or diploma in Public Health. Salary will be at the rate of £600 per annum, with a car allowance of £25 if the officer uses his own car.

Applications, endorsed "Assistant Medical Officer" and accompanied by three recent testimonials, must be received by me not later than July 4th, 1940.

J. BROCK ALLON, Town Clerk.

Town Hall, Wolverhampton, June, 1940.

## Weston-super-Mare Hospital.

(150 Beds.)

HOUSE PHYSICIAN.

Applications are invited for the post of House Physician at this Hospital. Salary at the rate of £150 per annum, with board, rooms, and laundry. Duties commencing 14th July. If held by R Practitioner the appointment will be limited to six months.

Applications, stating age, qualifications, and enclosing copies of testimonials, should be addressed to the undersigned.

LESLIE J. FURSLAND, Secretary.

## Chesterfield and North Derbyshire

ROYAL HOSPITAL.

(220 Surgical and Medical Beds.)

APPOINTMENT OF A HOUSE SURGEON.

Applications are invited from registered Medical Practitioners, for the appointment of a House Surgeon (A) to the OPHTHALMIC AND EAR, NOSE, AND THROAT DEPARTMENTS to become vacant on the 1st July, 1940, including "R" practitioners with six months of qualification. If held by an "R" practitioner, appointment will be limited to six months. Salary at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned as soon as possible.

M. H. BOONE, Superintendent and Secretary.

18th June, 1940.

## Rochdale Infirmary and Dispensary,

LANCS. (118 Beds.)

"A" APPOINTMENT.

Applications are invited from registered Medical Practitioners (Male and Female) for the appointment of SECOND HOUSE SURGEON (A), including R Practitioners within six months of qualification. If held by an R Practitioner, appointment will be limited to six months. Salary is at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned immediately.

Rochdale Infirmary. W. WYNNE, Secretary.

## Cornwall County Council.

Applications are invited for the post of an ASSISTANT SCHOOL MEDICAL OFFICER (Woman) to act under the School Medical Officer in carrying out inspections of schoolchildren and such other duties as may be required.

The commencing salary will be £500, rising by annual increments of £25 to £700 a year, with travelling allowance on the County Scale.

Applications, stating age, qualifications, and experience with copies of three recent testimonials, should be sent to the County Medical Officer, County Hall, Truro, by the 6th July.

T. A. H. SHEERS, Clerk of the County Council.

County Hall, Truro, 13th June, 1940.

## Free Eye Hospital, Southampton.

Applications are invited from registered Medical Practitioners (Male or Female) for the appointment of HOUSE SURGEON (A) to fill the present vacancy, including R Practitioners within six months of qualification.

The appointment will be limited to six months, subject to an application for renewal in the case of Practitioners other than R.

Salary at the rate of £200 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, accompanied by copies of three recent testimonials, should be sent to the undersigned by an early date.

E. T. KEMP, Secretary.

## The Children's Hospital, Sheffield.

(INC.). (157 Beds.)

HOUSE SURGEON required immediately.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry.

Candidates (unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

## Nottingham & Midland Eye Infirmary.

Applications are invited from registered Medical Practitioners, Male and Female, for the post of RESIDENT HOUSE SURGEON (A). Six months' appointment. Salary £200 per annum, with board and laundry. 54 Beds. Large Out-patient Department. Post recognised for D.O.M.S.

Applications, stating age, qualifications, and nationality, with copies of three recent testimonials, should be sent to the undersigned forthwith.

T. RUSSELL MOORE, Secretary.

The Ropewalk, Nottingham.

## Victoria Hospital, Accrington.

APPOINTMENT OF HOUSE SURGEON (A).

Applications are invited from registered Medical Practitioners (Male or Female) for the appointment of a House Surgeon (A) now vacant, including R Practitioners within six months of qualification. If held by an R Practitioner appointment will be limited to six months. Salary is at the rate of £175 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned immediately.

14th June, 1940. J. KENYON, Secretary.

## City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT.

CANWELL HALL BABIES' HOSPITAL.

(84 Beds.)

A Woman RESIDENT MEDICAL OFFICER is required for a period of six months, duties to commence on August 1st.

Salary £250 per annum, with board and laundry.

Applications, endorsed "Resident Medical Officer," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the Medical Officer of Health, Council House, Birmingham, 3, and returned to him on or before July 1st, 1940.

## Ancoats Hospital, Manchester, 4.

APPOINTMENT OF A RESIDENT MEDICAL OFFICER (B1).

Applications are invited for this post, lady or gentleman, who should have held previous house appointments and had medical experience. Suitably qualified R Practitioners holding B2 or B1 appointments are invited to apply. Salary at the rate of £150 per annum. Appointment for six months.

HOUSE SURGEONS (TWO)—"A" APPOINTMENT.

Applications are invited for these posts (lady or gentleman). Appointment for six months. Salary at the rate of £100 per annum.

Applications, stating age, nationality, and when qualified, for the above posts should be forwarded on or before 3rd July, together with three recent testimonials.

HERBERT J. DAFFORNE,
General Superintendent and Secretary.

## Norfolk and Norwich Hospital, Norwich

(448 Beds.)

Applications are invited from registered Medical Practitioners (Male) for the appointment of CASUALTY OFFICER (A), including R Practitioners within six months of qualification. If held by an R Practitioner appointment will be limited to six months. Salary is at the rate of £120 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned as soon as possible.

FRANK INCH, House Governor and Secretary.

28th June, 1940.

## City of Exeter.

EXETER CITY HOSPITAL E.M.S.

JUNIOR HOUSE SURGEON (Male) required at once. Salary at rate of £175 per annum, with board, lodging, and laundry. An "A" appointment tenable for six months.

Apply, with copies of two recent testimonials, to :—

G. B. PAGE, M.D., D.P.H., Medical Officer of Health.

5, Southernhay West, Exeter, 18th June, 1940.

## The Prince of Wales's Hospital,

Greenbank-road, PLYMOUTH.

(Formerly the South Devon and East Cornwall Hospital.)

(254 Beds.)

Applications are invited from registered Medical Practitioners (Male and Female) for the appointment of a HOUSE SURGEON (A) to become vacant on 26th August, including R Practitioners within six months of qualification. If held by an R Practitioner, appointment will be limited to six months. Otherwise it will be subject to renewal. Salary is at the rate of £130 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than 12th July.

ARTHUR R. CASH, General Superintendent.

## North Staffordshire Royal Infirmary,

STOKE-ON-TRENT.
(Normally 412 Beds. Class 1A.)

Applications are invited from registered Medical Practitioners (Male and Female) for the following appointments now vacant:—
HOUSE SURGEON to EYE, EAR, NOSE AND THROAT DEPARTMENT (A).
HOUSE PHYSICIAN (A).
CASUALTY OFFICER (A).

Appointment will be for a period of six months. Salary at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, accompanied by copies of three recent testimonials, should be sent to the undersigned as soon as possible.

THORNBURROW GIBSON, Secretary and House Governor.
17th June, 1940.

## Bedford County Hospital.

Applications are invited from registered Medical Practitioners (Male and Female) for the appointment of a CASUALTY OFFICER (A) to become vacant on July 1st, including R Practitioners within six months of qualification. Appointment for a period of six months. Salary £150 per annum, with full residential emoluments.

Application, stating age, qualifications with dates, and nationality, together with three recent testimonials, to be sent to the Secretary, Hon. Medical Staff Committee, as soon as possible.

## The Royal Infirmary, Bradford.

Two HOUSE SURGEONS "A" (Male) wanted immediately. Six months' appointment. Candidates must be single and legally qualified. Salary £150 per annum, with board, residence, and laundry. There are 345 Beds and 10 Resident Officers.

Applications, stating age, nationality, qualifications, and previous experience, with copies of recent testimonials, should be sent to the undersigned as soon as possible.

H. TRUSSON, House Governor and Secretary.
11th June, 1940.

## Royal Berkshire Hospital, Reading.

ASSISTANT RADIOLOGIST wanted immediately for a minimum period of six months. Must have some knowledge of Deep Therapy.

Salary £350–£500 per annum, according to experience.

Applications to be sent to the undersigned.

H. E. RYAN, Secretary and House Governor.

## Westmorland County Hospital, Kendal.

(82 Beds.)

APPOINTMENT OF HOUSE SURGEON (B2).

Applications are invited from registered Medical Practitioners (Female) for the appointment of House Surgeon (B2) to become vacant on 18th August, 1940. The appointment is for six months, renewable for a further six months. Salary £225 per annum, with board, residence, and laundry.

Applications, stating age, qualifications with dates, nationality, present post, and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than 6th July, 1940.

J. M. SOMERVELL, Honorary Secretary.

## Essex County Council,

OLDCHURCH COUNTY HOSPITAL, ROMFORD.

JUNIOR RESIDENT MEDICAL OFFICER.

The County Council of the Administrative County of Essex invite applications for the appointment of a Junior Resident Medical Officer at the Oldchurch County Hospital, Romford.

The appointment will be for a period of one year, and the salary payable will be at the rate of £250 per annum, together with the usual indoor emoluments valued at £160 per annum. The successful candidate will be required to pass a medical examination and will be subject to the Council's Sick Pay Rules and Regulations, a copy of which will be forwarded on application.

Applications on the prescribed form, obtainable from the undersigned, should be addressed to me and delivered at the County Hall, Chelmsford, not later than 10 A.M. on Wednesday, July 3rd, 1940.

E. S. HOLCROFT, Clerk of the County Council.
County Hall, Chelmsford, June 18th, 1940.

## County Borough of Halifax.

HALIFAX GENERAL HOSPITAL. (405 Beds.)

RESIDENT MEDICAL OFFICER (Male or Female).

Applications are invited from duly qualified registered Medical Practitioners for the above appointment. Salary £250 per annum, together with board, residence, and laundry.

The appointment will be for a term not exceeding twelve months and is not renewable.

Forms of applications and conditions of appointment can be obtained from the Medical Officer of Health, Powell-street, Halifax.

Completed applications, together with copies of not more than three recent testimonials, endorsed "Resident Medical Officer," should be forwarded to the undersigned as early as possible. Canvassing, either directly or indirectly, will be a disqualification.

GEORGE C. F. ROE, Medical Officer of Health.
General Hospital, Halifax, 4th June, 1940.

## The Royal Infirmary, Sunderland.

APPOINTMENT OF A HOUSE SURGEON (A).

Applications are invited from Male registered Medical Practitioners for the appointment of a House Surgeon (A) which is now vacant, including R Practitioners within six months of qualification.

The appointment will be limited to six months, and salary is at the rate of £120 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than 5th July, 1940.

M. J. HUNTLEY, House Governor and Secretary.

## The Bolton Royal Infirmary.

(318 Beds, including Two Auxiliary Hospitals.)

Applications are invited from registered Medical Practitioners, Male and Female, for appointment as HOUSE SURGEON (A), including R Practitioners within six months of qualification. Appointment is for six months. Salary at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, nationality, and experience, together with copies of testimonials, to be forwarded to the undersigned not later than Thursday, July 4th, 1940.

H. AUBREY FROGGATT, Superintendent-Secretary.

## Hull Royal Infirmary.

Applications are invited from registered Medical Practitioners, Male and Female, for the appointment of CASUALTY OFFICER (A) vacant now, including R Practitioners within six months of qualification.

Applications are also invited for the post of HOUSE SURGEON to the OPHTHALMIC and E.N.T. DEPARTMENTS (B2) vacant now, including R Practitioners who hold A Posts and who have not completed a five months' tenure of those posts.

Neither of the above posts is held by an R Practitioner the appointment will be limited to six months.

Salary is at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, nationality, and present post, and accompanied by recent testimonials, should be sent to the undersigned.

R. J. CARLESS, House Governor.

## Glasgow Royal Infirmary.

RESIDENT MEDICAL OFFICER required at CANNIESBURN AUXILIARY HOSPITAL. Salary £200 per annum, with board, lodging, and laundry.

Applicants with previous hospital resident experience preferred. This is a B appointment.

Particulars as to duties, &c., may be obtained from the Superintendent, Glasgow Royal Infirmary, 84, Castle-street, Glasgow, C.4.

Candidates are requested to lodge with the undersigned not later than 6th July, 1940, fifteen copies of application and three relative testimonials with each. No canvassing, either directly or indirectly.

R. MORRISON SMITH, C.A., F.H.O.A., Secretary and Cashier.
Glasgow Royal Infirmary Office, 135, Buchanan-street, Glasgow, C.1.

## Kettering and District General

HOSPITAL.

APPOINTMENT OF A HOUSE PHYSICIAN (A).

Applications are invited from registered Medical Practitioners, Male and Female, for the appointment of a House Physician (A) to become vacant on 1st August, including R Practitioners within six months of qualification. If held by R Practitioner the application will be limited to six months. Salary is at the rate of £200 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned as soon as possible.

G. W. JACKSON, Secretary-Superintendent.

## Grimsby and District Hospital.

Applications are invited from registered Medical Practitioners for the appointment of HOUSE PHYSICIAN (A), including R Practitioners within six months of qualification. If held by an R Practitioner, appointment will be limited to six months. Salary is £175 per annum.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned.

H. B. COATES, Secretary-Superintendent.
June 25th, 1940.

## Grimsby and District Hospital.

Applications are invited from registered Medical Practitioners for the appointment of RESIDENT SURGICAL OFFICER (B1). Applicants should have held house appointments and had surgical experience. Preference will be given to candidates holding Diploma of F.R.C.S. Salary is £300 per annum.

Applications, stating age, nationality, qualifications with dates, experience, and details of previous appointments, and accompanied by copies of three recent testimonials, should be sent to the undersigned.

H. B. COATES, Secretary-Superintendent.
June 25th, 1940.

## Royal Infirmary, Preston.

APPOINTMENT OF CASUALTY OFFICER (B2).

Applications are invited from registered Medical Practitioners, Male or Female, for the appointment of Casualty Officer (B2), vacant 31st July, including R Practitioners who hold A Posts and who have not completed a five months' tenure of these posts. If held by an R2 Practitioner, appointment will be limited to six months; otherwise it will be for six months subject to the Central Medical War Committee. Salary at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications (with dates), and nationality, accompanied by copies of three recent testimonials, should be sent as soon as possible to—

JOHN GIBSON, Superintendent and Secretary.

## Royal Infirmary, Preston.

APPOINTMENT OF HOUSE PHYSICIAN (B2).

Applications are invited from registered Medical Practitioners, Male or Female, for the appointment of House Physician (B2), vacant 31st July, including R Practitioners who hold A Posts and who have not completed a five months' tenure of these posts. If held by an R Practitioner, appointment will be limited to six months; otherwise it will be for six months subject to the Central Medical War Committee. Salary is at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications (with dates), and nationality, accompanied by copies of three recent testimonials, should be sent to the undersigned as soon as possible.

JOHN GIBSON, Superintendent and Secretary.

## Royal Infirmary, Preston.

APPOINTMENT OF AN EYE AND EAR HOUSE SURGEON (A).

Applications are invited from registered Medical Practitioners, Male or Female, for the appointment of House Surgeon to the Eye, Ear, Nose, and Throat Department (A) now vacant, including R Practitioners within six months of qualification. If held by an R Practitioner, appointment will be limited to six months; otherwise it will be for a period of six months subject to the Central Medical War Committee. Salary at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications (with dates), and nationality, accompanied by copies of three recent testimonials, should be sent to the undersigned as soon as possible.

JOHN GIBSON, Superintendent and Secretary.

## Royal Infirmary, Preston.

APPOINTMENT OF HOUSE SURGEON (A).

Applications are invited from registered Medical Practitioners, Male or Female, for the appointment of a House Surgeon (A), to be vacant on 31st July, including R Practitioners within six months of qualification. If held by an R Practitioner the appointment will be for six months; otherwise it will be for a period of six months subject to the Central Medical War Committee. Duties under Consultant Surgeon.

This appointment is recognised in connexion with the examinations for the F.R.C.S. Diploma.

Salary at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications (with dates), and nationality, accompanied by copies of three recent testimonials, should be sent to the undersigned as soon as possible.

JOHN GIBSON, Superintendent and Secretary.

## Urban Districts of Southborough and

TONBRIDGE.

RURAL DISTRICT OF TONBRIDGE.

MEDICAL OFFICER OF HEALTH.

Applications are invited for the whole-time appointment of Medical Officer of Health for the above-mentioned districts at a salary of £800 per annum, with allowances of £100 per annum for travelling expenses and £50 per annum for office accommodation.

Clerical assistance will be provided by the Councils.

The appointment will be subject to the provisions of Section 110 of the Local Government Act, 1933, the Sanitary Officers (Outside London) Regulations, 1935, and the Local Government Superannuation Act, 1937.

Further particulars and forms of application can be obtained from the undersigned, by whom applications should be received not later than Friday, 12th July, 1940.

Canvassing will be a disqualification.

B. LEE.

48, Pembury-road, Tonbridge, Kent, 19th June, 1940.

## The Jessop Hospital for Women,

SHEFFIELD.

The Board of Management invite applications for the post of HOUSE SURGEON (Male or Female) (B2), commencing at once, including R Practitioners who hold A Posts and who have not completed a five months' tenure of those posts. If held by an R Practitioner the appointment will be limited to six months.

Salary £100 per annum, together with board, residence, and laundry.

Membership of a Medical Defence Society is a condition of appointment.

Applications, stating age, qualifications with dates, nationality, and present post, and accompanied by copies of three recent testimonials, should be sent to the undersigned immediately.

DAVID OSWALD, Superintendent and Secretary.

## Addenbrooke's Hospital, Cambridge.

APPOINTMENT OF A HOUSE SURGEON (A).

Applications are invited from registered Medical Practitioners, Male or Female, for the appointment of a House Surgeon (A), to become vacant on August 1st, 1940, including R Practitioners within six months of qualification. The appointment will be for a period of six months. Salary is at the rate of £130 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than Wednesday, July 10th, 1940.

J. A. BEARDSALL, Secretary-Superintendent.

## Addenbrooke's Hospital, Cambridge.

APPOINTMENT OF A HOUSE SURGEON (A).

Applications are invited from registered Medical Practitioners, Male or Female, for the appointment of a House Surgeon (A) to the Special Departments (with care of beds for Ear, Nose, and Throat, Eye, Gynæcological, and Maternity cases), to become vacant on July 15th, 1940, including R Practitioners within six months of qualification. The appointment will be for a period of six months. Salary is at the rate of £130 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than Wednesday, July 10th, 1940.

J. A. BEARDSALL, Secretary-Superintendent.

## Addenbrooke's Hospital, Cambridge.

APPOINTMENT OF RESIDENT ANÆSTHETIST AND EMERGENCY OFFICER (A).

Applications are invited from registered Medical Practitioners, Male or Female, for the appointment of Resident Anæsthetist and Emergency Officer (A), to become vacant on August 1st, 1940, including R Practitioners within six months of qualification. The appointment will be for a period of three months. Salary is at the rate of £130 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned not later than Wednesday, July 10th, 1940.

J. A. BEARDSALL, Secretary-Superintendent.

## Coventry and Warwickshire Hospital.

Applications are invited from registered Medical Practitioners, Male and Female, for the appointment of a HOUSE SURGEON (A) to become vacant immediately, including R Practitioners within six months of qualification. If held by an R Practitioner, appointment will be limited to six months. Salary is at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned immediately.

S. CECIL HILL, House Governor and Secretary.

## Duchess of York Hospital for Babies,

MANCHESTER, 19. (80 Cots.)

Applications are invited for the post of JUNIOR RESIDENT MEDICAL OFFICER (an A appointment) now vacant. The appointment will be for six months. Salary at the rate of £100 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, accompanied by copies of three recent testimonials, will be accepted by the undersigned up to the 10th July, 1940.

LOUISE GILLESPIE, Secretary.

## County Borough of Smethwick.

ST. CHAD'S HOSPITAL.

HOUSE SURGEON AND HOUSE PHYSICIAN AND ANÆSTHETIST.

("A" Posts.)

Applications are invited from Registered Medical Practitioners, Male and Female, for the appointments of (1) HOUSE SURGEON and (2) HOUSE PHYSICIAN and ANÆSTHETIST now vacant at the Council's Municipal Hospital, including R Practitioners within six months of qualification. The salaries attaching to such appointments will be at the rate of £150 per annum with the usual emoluments. If held by an R Practitioner, the appointments will be limited to six months, otherwise they may be renewed for a further period of six months at the rate of £200 per annum.

St. Chad's Hospital contains 147 Beds, and the cases treated include general medical, acute surgical and maternity patients. It is staffed by the Honorary Consultants of the Birmingham Teaching Hospitals.

Forms of application may be obtained from the Medical Superintendent, St. Chad's Hospital, Hagley-road, Birmingham, 16, to whom applications endorsed "House Surgeon" or "House Physician and Anæsthetist," and accompanied by copies of three recent testimonials, must be delivered not later than 13th July next.

Canvassing, directly or indirectly, will disqualify.

FRANK CHAPMAN, Town Clerk.

Council House, Smethwick 24th June, 1940.

## Isle of Ely County Council.

ASSISTANT COUNTY MEDICAL OFFICERS AND SCHOOL MEDICAL OFFICERS.

Applications are invited from duly qualified persons for the above-mentioned appointments at salaries of £600 per annum, rising by two annual increments of £50 to £700 per annum. Experience in mental deficiency or refraction work will be considered an advantage. The provision of a car will be required, and travelling expenses will be allowed in accordance with the Council's scale.

The officers appointed will be required to devote their whole time to the duties involved. The Local Government Superannuation Act, 1937, will apply, and it will be necessary for the successful candidates to satisfactorily pass a medical examination.

Forms of application may be obtained from the County Medical Officer, County Hall, March, to whom they should be returned, accompanied by copies of not more than three recent testimonials, not later than the 15th July, 1940.

Canvassing, directly or indirectly, will disqualify.

R. F. G. THURLOW, Clerk of the County Council.

County Hall, March, 20th June, 1940.

## General Hospital, Nottingham.

(389 Beds.)

ORTHOPÆDIC AND FRACTURE DEPARTMENT.

Applications are invited from registered Medical Practitioners (Male and Female) for the appointment of a HOUSE SURGEON (A) for the above Department; duties to commence as soon as possible. The appointment is for six months. Salary at the rate of £200 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned immediately.

HENRY M. STANLEY, House Governor and Secretary.

## General Hospital, Nottingham.

(389 Beds.)

EAR, NOSE, AND THROAT DEPARTMENT.

Applications are invited from registered Medical Practitioners (Male and Female) for the appointment of a HOUSE SURGEON (A) for the above Department containing 40 Beds and a large Out-patient Department; duties to commence as soon as possible. The appointment is for six months. Salary a t the rate of £200 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned immediately.

HENRY M. STANLEY, House Governor and Secretary.

## Manchester Northern Hospital.

(General—113 Beds.)

HONORARY ASSISTANT PHYSICIAN FOR CHILDREN.

The Committee of Management invite applications for the above appointment which will be made subject to the conditions agreed with the B.M.A. Candidates must be Members of the Royal College of Physicians of England, and are required to forward diplomas, original testimonials, and a certificate of age with their applications on or before July 1st.

Candidates are required to send twelve copies of their application and testimonials to Mr. JAMES C. DANIELS, Secretary, 38, Barton-arcade, Manchester.

## City and County of Newcastle upon Tyne.

NEWCASTLE GENERAL HOSPITAL.

The Health Committee of the City and County of Newcastle upon Tyne invite applications for the appointment of NEUROLOGICAL SURGEON in charge of the NEUROSURGICAL DEPARTMENT at the Newcastle General Hospital in succession to the late Mr. A. R. D. Pattison, F.R.C.S.

The appointment is part time and is subsidised by the City Health Committee. Candidates with the necessary qualifications and experience are requested to communicate with the Medical Officer of Health, Health Department, Town Hall, Newcastle upon Tyne, 1.

## City of Coventry.

ASSISTANT MEDICAL OFFICER (WOMAN).

Applications are invited from duly qualified and registered Women Medical Practitioners under forty years of age for the post of Assistant Medical Officer in the City of Coventry Public Health Department. The duties will be mainly in connexion with the Maternity and Child Welfare scheme. Preference will be given to candidates possessing a Diploma in Public Health.

The salary will be £500 per annum (plus cost of living bonus), rising by annual increments of £25 to a maximum of £700. The officer appointed will be required to devote her whole time to the duties of the post.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass the necessary medical examination as to fitness and to contribute to the Superannuation Fund.

Applications, together with copies of three recent testimonials, must be made to the undersigned as soon as possible.

A. MASSEY, Medical Officer of Health.

The Council House, Coventry, June, 1940.

## County of Kent.

URBAN DISTRICT OF ASHFORD.

APPOINTMENT OF MEDICAL OFFICER OF HEALTH AND ASSISTANT COUNTY MEDICAL OFFICER.

Applications are invited from fully qualified Medical Practitioners with experience in public health duties and holding a Diploma in Sanitary Science, Public Health, or State Medicine for the post of temporary Medical Officer of Health of the Ashford Urban District.

The person appointed will be required to perform all the duties imposed on a Medical Officer of Health under relevant Acts and Orders and to carry out such other appropriate duties as the Urban Council may from time to time direct with the consent of the Ministry of Health where necessary. It is intended, if circumstances permit, that he should also be appointed by the appropriate authorities to act as—

(a) Temporary Assistant County Medical Officer of Health under the direction of the County Medical Officer to perform such County Council duties as the latter may from time to time prescribe and which duties will, in the first place, be in connexion with the school medical services in the Urban District;

(b) Temporary Medical Superintendent of the Infectious Diseases Hospital at Ashford, belonging to the Ashford Urban District Council;

(c) Temporary Medical Officer for maternity and child welfare in the Urban District.

The appointment of Temporary Medical Officer of Health is subject to the provisions of the Local Government Act, 1933, and the Sanitary Officers' (Outside London) Regulations, 1935. The appointment of Temporary Assistant County Medical Officer is subject to the approval of the Board of Education.

The person appointed must reside within the Urban District, must not engage in private practice, and must devote his whole time to the duties of the before-mentioned posts.

The successful candidate will be required to pass a medical examination.

The total salary in respect of all the above-mentioned appointments will be at the rate of £800 per annum, increasing by £50 per annum to a maximum of £900, with necessary travelling expenses in addition.

A list of the duties and form of application will be supplied on application to the undersigned.

Canvassing, either directly or indirectly, will be a disqualification.

Applications, on the prescribed form, accompanied by not more than three recent testimonials and endorsed "Appointment of Medical Officer of Health," must be delivered to the undersigned on or before the 8th day of July, 1940.

J. SUDLOW, Clerk to the Council.

## Saint Mary's Hospitals, Manchester.

MATERNITY DEPARTMENT.

Applications are invited from registered Medical Practitioners (Male or Female) for the appointment of SENIOR OBSTETRICAL RESIDENT (B1) at Prestbury, Cheshire (50 Beds), for the duration of the war. Suitably qualified R Practitioners holding B2 or B1 appointments are invited to apply. Salary is at the rate of £200 per annum.

Candidates must have had good experience in a large Maternity Hospital.

Applications should be sent to the undersigned, from whom further particulars can be obtained.

A. R. WISE, Superintendent and Secretary.

## Huddersfield Royal Infirmary.

(321 Beds.)

Male HOUSE SURGEON (an "A" appointment) required, to be attached to EYE, EAR, NOSE, AND THROAT DEPARTMENTS. Duties include the administration of anæsthetics. Salary will be at the rate of £150 per annum, with board, residence, and laundry. Appointment for six months, subject to renewal for a similar period. If held by an R Practitioner the appointment will be limited to six months.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, General Superintendent and Secretary.

## County Borough of Halifax.

HALIFAX GENERAL HOSPITAL. (405 Beds.)

DEPUTY MEDICAL SUPERINTENDENT.

Applications are invited from duly qualified registered Medical Practitioners for the post of Deputy Medical Superintendent at the Halifax General Hospital.

The staff consists of six medical officers and the admissions to the Hospital are approximately 4500 per annum.

The salary offered is £600 per annum inclusive, and the post is non-resident.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937.

Preference will be given to a candidate with a knowledge of major surgery and with experience in obstetrics.

Applications must be made on the prescribed form and forms may be obtained from the undersigned.

Completed application forms, accompanied by copies of three recent testimonials, endorsed "Deputy Medical Superintendent," must be delivered at the Town Clerk's Office, Town Hall, Halifax, on or before the 1st July, 1940.

Canvassing, either directly or indirectly, will be a disqualification.

PERCY SAUNDERS, Town Clerk.

Town Hall, Halifax, 11th June, 1940.

## Surrey County Council.

PUBLIC HEALTH DEPARTMENT.

KINGSTON COUNTY HOSPITAL. (530 Beds.)

RESIDENT ASSISTANT MEDICAL OFFICER (B2).

Applications are invited from registered Medical Practitioners for the appointment of Resident Assistant Medical Officer at the Kingston County Hospital, Kingston-upon-Thames.

The Medical Officer appointed should preferably have had previous experience as House Surgeon.

The appointment, which is recognised for the F.R.C.S. (Eng.), is for a period of six months, renewable for a further period of six months, and the salary is at the rate of £250 per annum, together with full residential emoluments valued at £125 per annum.

R Practitioners who are now holding B2 posts may apply, but if appointed the tenure of the appointment will be limited to six months not renewable and will be subject to the assent of Central Medical War Committee.

Applications, stating age, qualifications, and experience, and enclosing copies of not more than three recent testimonials, should be addressed to the Medical Superintendent, Kingston County Hospital, Wolverton-avenue, Kingston-on-Thames, so as to be received not later than 4th July, 1940.

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-upon-Thames, 28th June, 1940.

## Surrey County Council.

PUBLIC HEALTH DEPARTMENT.

KINGSTON COUNTY HOSPITAL. (530 Beds.)

APPOINTMENT OF RESIDENT ASSISTANT PHYSICIAN (B1).

Applications are invited for the appointment of Resident ssistant Physician at the Kingston County Hospital.

Candidates must have held resident hospital appointments, and should preferably possess a higher medical qualification. Suitably qualified R Practitioners holding B1 or B2 appointments are invited to apply.

The tenure of the appointment is limited to a period of five years, but the appointment is subject to the provisions of the Local Government Superannuation Act, 1937. The salary is at the rate of £350 per annum, rising by annual increments of £25 to £450 per annum, together with full residential emoluments valued at £125 per annum. (The officer appointed may be required to be non-resident, in which case the value of the emoluments, less deductions for meals supplied, will be paid in cash.)

Applications, stating age, qualifications, and experience, and enclosing copies of not more than three recent testimonials, should be addressed to the Medical Superintendent, Kingston County Hospital, Wolverton-avenue, Kingston-upon-Thames, so that he may receive them not later than 4th July, 1940.

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-upon-Thames, 28th June, 1940.

## Chorley and District Hospital,

CHORLEY, LANCS.

(Voluntary General Hospital with 75 Beds.)

Applications are invited from registered Medical Practitioners, Male and Female, for the appointment of HOUSE SURGEON now vacant, including R Practitioners within six months of qualification. If held by an R Practitioner, appointment will be limited for a period of six months, otherwise the appointment is renewable for a further period. The salary will be at the rate of £150 per annum.

Applications, stating age, qualifications with dates, and nationality, and accompanied by copies of three recent testimonials, should be sent to the undersigned at once.

C. H. SPENCE, Secretary-Superintendent.

## Royal National Sanatorium,

BOURNEMOUTH.

Applications are invited from registered Medical Practitioners for the appointment of a RESIDENT ASSISTANT MEDICAL OFFICER, including R Practitioners within six months of qualification. If held by an R practitioner, appointment will be limited to six months. Otherwise it will be for one year. Salary £200 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, and nationality, and accompanied by recent testimonials, should be sent to the undersigned not later than July 15th.

A. G. A. MAJOR, Secretary.

## City of Liverpool.

SMITHDOWN-ROAD HOSPITAL. (1220 Beds.)

APPOINTMENT OF RESIDENT SURGICAL OFFICER (B1).

Applications are invited from registered Medical Practitioners for the appointment of Resident Surgical Officer now vacant.

Applicants should have held house appointments and had surgical experience. Preference will be given to candidates holding Diploma of F.R.C.S. Suitably qualified Practitioner holding B2 or B1 appointments are invited to apply. Salary at the rate of £350, rising by annual increments of £25 to £450 per annum, together with usual residential allowances.

All fees received in connexion with the appointment to be handed over to the City Council.

The appointment will be made in accordance with the Standing Orders of the City Council and will be determinable by one calendar month's notice on either side.

Applications, upon forms to be obtained from the Medical Officer of Health, Hospitals Dept., Gordon House, Belmont-grove, Liverpool, 6, to be endorsed "Resident Surgical Officer," and returned to the undersigned so as to be received not later than 10 A.M. on Wednesday, 10th July, 1940.

W. H. BAINES, Town Clerk.

Municipal Buildings, Dale-street, Liverpool, 2,
25th June, 1940.

## Lincoln County Hospital.

Applications are invited from registered Medical Practitioners (Male, unmarried) for the appointment of JUNIOR HOUSE SURGEON (A), including R Practitioners with six months' qualification. The appointment is for six months. Salary is at the rate of £150 per annum, with full residential emoluments.

Applications, stating age, qualifications with dates, nationality, and accompanied by three recent testimonials, should be sent to the undersigned.

ARTHUR MOORE, Secretary-Superintendent.

Lincoln, 24th June, 1940.

## Glasgow Royal Infirmary.

Applications are invited from registered Medical Practitioners for the post of—

Whole-time ASSISTANT RADIOLOGIST. Salary £400 per annum.

Full particulars may be obtained from the Superintendent, Glasgow Royal Infirmary, 84, Castle-street, Glasgow, C.4.

Candidates are requested to lodge with the undersigned not later than 5th July, 1940, fifteen copies of application and three relative testimonials with each. No canvassing.

R. MORRISON SMITH, C.A., F.H.O.A., Secretary and Cashier.

Glasgow Royal Infirmary Office, 135, Buchanan-street, Glasgow, C.1.

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*BRIT. MED. J. (1940) I, 123.*

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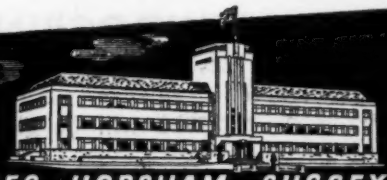

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